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<210> 16638
 <211> 375
 <212> DNA
 <213> Aspergillus nidulans

<400> 16638

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 cccggtatat actccccctc tgcgcgctga ctgtccaatc cgctgatggg tttatgtccc 180
 tctccagaag aactaaatct cgaccctctt tgaggtcacg atgggtcacga tgagaggggt 240
 cgatgcggct gcggaataag agacgatgac gaagtatgaa tggggtggat gatagtgcct 300
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<210> 16639
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16639

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 gcctgatgtc gggaagtctc caaaccttca catgtctaac tcccaccctg tgaacatatt 240
 cagtatccag agttgtcaag gagagcttcg aagtacatac gtgattaaag cttggcctaa 300
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<210> 16640
 <211> 378
 <212> DNA
 <213> Aspergillus nidulans

<400> 16640

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gcccttggtc cacgagatat tggatgaaga gttcctgaat ccgttttagtc attgtcgagg 180
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ttgggcaata tcatcgtcga gttggattat cttcttaata cgagagacta acaaagcctt 300
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<210> 16641

<211> 378

<212> DNA

<213> *Aspergillus nidulans*

<400> 16641

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<210> 16642

<211> 379

<212> DNA

<213> *Aspergillus nidulans*

<400> 16642

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taaagtgtct aatggtcgag gtatgagtac accgcgctga tgttcagatg gccccatcag 180
tggttactca gaatccaaag cgccttctcg ccgccgcagt gggagaaata gatggagtga 240

tagaggcgct ggagcctgaa gggaccgcag ctgcagaaga gcggttacca acactaccaa 300
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<210> 16643
 <211> 381
 <212> DNA
 <213> Aspergillus nidulans

<400> 16643

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 gcgatttgaa cattgaaacc atgagacagg ctttgaggcg aacaggtagc ggagacttgg 180
 gcgcgcctcc gaaccagcta tctaatacaa tagatagcga ggactgaatg cctgttcgac 240
 cagcctgaag cttcatgaag gtcgtcgacc acctgtgtta aataacgctt atgctgttcc 300
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16644

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 tagcctcgat acatcttact tgccagacca gaatatcttc cttgatattg gtcccgatcc 180
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<210> 16645
 <211> 383

<212> DNA
 <213> *Aspergillus nidulans*
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 gtgggcaggc aagatccgtt atatgagcag ggggtgaaac tggtcgggct ttgcgagccg 240
 gggaaggcgg aagtttatga tcatggaggg aagcacatga ttccatttga tgcggggaat 300
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 tgtcaaagct gtcgcaggcc gcagagccgg gagactacgt tcagtthttt gcctctgttg 180
 cagagcggga gctatactcc aacagtagta ttagcaagcg cgaattctca ggaaacgccg 240
 tttcatgctg cttcggcgtg atgtcggacg cagatatgtt gtcgagccac acagtgggcc 300
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caatgcattg ctcagtcggt cgacttctga ggatctagcg acgtccctgc actgtgccat 240
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 <212> DNA
 <213> Aspergillus nidulans

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 ctggacggcg ttatgatgca gacgagacta gcgagatttc tctcacatct gctttgcttc 300
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16649
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 tctggcgcgc ataacgaaga ctctgttgag gaactagaag tgtttgacag ggtcacattc 180
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<210> 16650
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16650

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 atatttccgc aaagagatcg tcccgccttg taatcggtag atcacggatc cgccgcagga 180
 tgagaaaact cgtgattttg aacacaagaa gctcggcgag accattctgg cacaagtcac 240
 gattaaggcg gactccattg aagttgtgga cgacgagact cggagtgcgc gaagggccct 300
 gattaaagag gccagctcta cgcttaataa ggtcgatgcg gtggcaaagg cctgaattac 360
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<210> 16651
 <211> 398
 <212> DNA
 <213> Aspergillus nidulans

<400> 16651

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<210> 16652
 <211> 398
 <212> DNA
 <213> Aspergillus nidulans

<400> 16652

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tctaataaat atgtttccag gcaagctcgt ttccggcggt gcgcgtatct tcgcctcttt 180
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 atgggttgca tatatataat acacattgcy agcagtgaac actaacgttc tatcagcggc 300
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 <213> *Aspergillus nidulans*

<400> 16653

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 <213> *Aspergillus nidulans*

<400> 16654

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 ttgcgacatg actatcatcc atcgaagcag caccctgatg ccggaactct acggccccag 180
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 cgcttctctg gtgggaacgg ctttcttgat cttggcaccg gtccgatggc tgggaagaa 300
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 <213> Aspergillus nidulans

<400> 16655

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 ggacttgacc acttgattat tcaacgttgt taacatttaa cgcaggcgta agtcgagaca 180
 ctgaacgact caaagcaagc gccagactta acattgactg acttcttctg tttcaatata 240
 gtgcgcgtcc caacatcaat cacgtttata gagacgaagg tgacagcaca gcgtccttga 300
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 <211> 402
 <212> DNA
 <213> Aspergillus nidulans

<400> 16656

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 ttaatcagct ggaaacgact acgtgggagt gtatctcttt tctcgtatg cttagtcggg 180
 ctcttactcg ttgtcttgta caggaacact taagggtcag caccttattt ctctgcttgc 240
 tccctacccc gacaccttgt tctcattgc ttccattatt tttgttctct gtttgcgact 300
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 <213> Aspergillus nidulans

<400> 16657

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<400> 16658

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 cttacaact tgatgtgggt tgccagtggc tgccgcagag gccaagaaag tcagtcacca 180
 ttcaattatt cccgacgggc gaatctgaat atgctaacca gctcgttaca gttattcttg 240
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 ctctgatttt ctttccgttt cgagcgagca ctggattgat tgtttatggg gcaaaaccaa 360
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16659

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 aaatcgccat atgcgcctga ggtaacagaa gtgcgtgagt gagtgagcgc tgccatgtct 180
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 aaggtggcgt tttggggttc ttatgcatct tccacctacc cgatatatgc attgggttgc 300
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16660

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<210> 16661
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16661

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gctaaatacg gcgtcagacg gatgggtacc tccagatggg tggaaagcgg cacaatcagc 180
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16662

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gtgcatggaa gtcaaggagg ctcccaaata aacaattaaa ctgttaatgc cgggtcagcc 180
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tgggcagagt gtggcatcgc cgatgtgtac tccgtcgggtg cagccttggg tgtgctttgc 300
gagcagactt aatagcatgc atttggcagg tcaagcatgc ctcttagcgg aacagtcttg 360
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<210> 16663
<211> 413
<212> DNA
<213> *Aspergillus nidulans*

<400> 16663
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gacacaagga tattggtcct gaagtccggc gcgagctgtt agcgggcaga ggtcgagggg 180
tcgtcgcacc cgaccggag agacaacatg cgcttgatgc tggagacgat acaatggata 240
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ctcttgcaag gatcccgtt gttcatgggc ctggatggat ggcgttactt gatgacttat 360
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<210> 16664
<211> 413
<212> DNA
<213> *Aspergillus nidulans*

<400> 16664
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caccctcttc cccttccatc tcgaccggcc gtcgtcgcg gtcttcccaa aagccatcac 240
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tcttgatcac agaactcaat gacctttacc tttttcaacc gtctctcttt tctcagattc 360
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 actgcctcac tgtctccgca ctgtctttgc atccccaga gggctaatagc caccgcacca 180
 gacttagatc atgacttttc tgttccattt ccatgttccg atgataccgc agctttctgt 240
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 <400> 16666

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 tatcgcaaga tcagcgggtc agcacgcggg tggagattag tatggatcaa tgctcattgg 180
 ctagaatggc tgttggagaa agcctgcaat agccgcttat catatcgttc tcggctaagc 240
 gtgccgacgt ctccatctc aattctccac gactttctcc catctcgttc aagatcatgt 300
 ctggggaggt tgcagccaga caccatggc atcccccaa accccttcca aagaaggcga 360
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<210> 16667
 <211> 419
 <212> DNA
 <213> Aspergillus nidulans

<400> 16667

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agcggatgat ttggtcgtaa aggtctttgg aaaagtcttc ccgggcgggt gtctgggctc 180
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<210> 16668

<211> 420

<212> DNA

<213> *Aspergillus nidulans*

<400> 16668

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<210> 16669

<211> 421

<212> DNA

<213> *Aspergillus nidulans*

<400> 16669

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<210> 16670
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16670

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<210> 16671
 <211> 424
 <212> DNA
 <213> Aspergillus nidulans

<400> 16671

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424

<210> 16672
<211> 428
<212> DNA
<213> Aspergillus nidulans

<400> 16672

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<210> 16673
<211> 428
<212> DNA
<213> Aspergillus nidulans

<400> 16673

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<210> 16674
<211> 429

<212> DNA
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<400> 16674

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<210> 16675
 <211> 429
 <212> DNA
 <213> Aspergillus nidulans

<400> 16675

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<210> 16676
 <211> 429
 <212> DNA
 <213> Aspergillus nidulans

<400> 16676

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<210> 16677
<211> 437
<212> DNA
<213> *Aspergillus nidulans*

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<211> 447
<212> DNA
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<210> 16679
<211> 447
<212> DNA
<213> *Aspergillus nidulans*

<400> 16679

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tccgtcaaaa accagtttct tctctcc 447

<210> 16680
<211> 447
<212> DNA
<213> *Aspergillus nidulans*

<400> 16680

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447

<210> 16681
<211> 447
<212> DNA
<213> Aspergillus nidulans

<400> 16681

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ttcagtgaat gaaagccagt gttggca 447

<210> 16682
<211> 451
<212> DNA
<213> Aspergillus nidulans

<400> 16682

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<210> 16683
<211> 451

<212> DNA
<213> Aspergillus nidulans

<400> 16683

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<400> 16684

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<211> 453
<212> DNA
<213> Aspergillus nidulans

<400> 16685

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<210> 16687
 <211> 455
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 <213> Aspergillus nidulans

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<210> 16688
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 <213> *Aspergillus nidulans*

<400> 16688

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 <212> DNA
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<400> 16689

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<400> 16690

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<210> 16691
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16691

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<210> 16692
 <211> 465

<212> DNA
<213> Aspergillus nidulans

<400> 16692

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<210> 16693
<211> 469
<212> DNA
<213> Aspergillus nidulans

<400> 16693

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<210> 16694
<211> 471
<212> DNA
<213> Aspergillus nidulans

<400> 16694

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<211> 474
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16697
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<213> Aspergillus nidulans

<400> 16697

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<210> 16698
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<212> DNA
<213> Aspergillus nidulans

<400> 16698

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<210> 16699
<211> 474
<212> DNA
<213> Aspergillus nidulans

<400> 16699

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<210> 16700
<211> 475
<212> DNA
<213> Aspergillus nidulans

<400> 16700

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<210> 16701
<211> 475

<212> DNA
<213> *Aspergillus nidulans*

<400> 16701

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<210> 16702
<211> 475
<212> DNA
<213> *Aspergillus nidulans*

<400> 16702

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<210> 16703
<211> 476
<212> DNA
<213> *Aspergillus nidulans*

<400> 16703

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<210> 16704
 <211> 479
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16705
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 <213> *Aspergillus nidulans*

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<210> 16706
<211> 480
<212> DNA
<213> *Aspergillus nidulans*

<400> 16706

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<210> 16707
<211> 484
<212> DNA
<213> *Aspergillus nidulans*

<400> 16707

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<210> 16708
<211> 488
<212> DNA
<213> Aspergillus nidulans

<400> 16708

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<210> 16709
<211> 491
<212> DNA
<213> Aspergillus nidulans

<400> 16709

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491

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<211> 491
<212> DNA
<213> Aspergillus nidulans

<400> 16710

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<210> 16711
<211> 492
<212> DNA
<213> Aspergillus nidulans

<400> 16711

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<400> 16713

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<210> 16714
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<400> 16714

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<210> 16715
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 <213> Aspergillus nidulans

<400> 16715

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<212> DNA
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<400> 16716

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 <213> Aspergillus nidulans

<400> 16717

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 <213> Aspergillus nidulans

<400> 16718

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<210> 16719

<211> 505

<212> DNA

<213> *Aspergillus nidulans*

<400> 16719

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ggccgattct ttgcagccac gaaaatcaaa atcatactat gtcatttct gttaaagtat 240
gatgtgaaaa tccctgatga ggaaatttct acagtgattt cttcgggaaa ctttctattt 300
cccagactcaa ctttgaggat ctcagtcagg cgaaggcaag acaacttgac tatctgggac 360
taaacaccct tccctcatag cagctgtctg taattggaat gatttgatca tagactttgg 420
aatcttgcta agacttattt tggaaaggcg tgcagacaat atcagtgttt ctctccgagc 480
acaatacatt tcataattgc ccatt 505

<210> 16720

<211> 508

<212> DNA

<213> *Aspergillus nidulans*

<400> 16720

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gctacaccct ttctactcaa tggatacacc aaatgccatg gctgccgttc ctccggctcc 180
gaatccaatt ccaactgaatg gtcacccggg tatagaaaat ggtcagccga gcataggaaa 240
tggccagccg ggcgtagggg ^{T...}tgctgtaacc ctataactcc ggtgacctca tactattgcg 300
gaatacgcca tgaaagagcg tgctgcatag atcagtggag aggttaacgt atatttcggt 360
tcgatttagc ctctgacttt ctttctcttt ccaacttacg gccaggattg ggtactacct 420
gggttgggag cagattcatg actgtatgat aaggtttaac cattgaatat ggggtcgata 480
atggatccgg gataatcgtc cgggcacc 508

<210> 16721
<211> 513
<212> DNA
<213> Aspergillus nidulans

<400> 16721
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cagggccaat ggtaagaacc gaatttgact tggattttac atatgattca ggcagcaata 180
aatcgcacgt tctcaatcag gtgcaagtct tgcgaggtct cgagccagat gataaagagg 240
aagaattggc tgaagcagat ctgggggtttg taaggaagat gcggggtttac aaatcagagc 300
caatgttcca taggtgagtt gtttgaacgg cgtgttccgt tttttgagat gctgacacag 360
gtattcctgt cgtctagatt ccacacgcca ctacagtacc cattactcga tagcttcctt 420
agcgacatga tcaccttgtc aatgcccga aacaaactga gcattatttc cgcactgacg 480
acatccactc gcacagctga aaagattaaa aac 513

<210> 16722
<211> 513
<212> DNA
<213> Aspergillus nidulans

<400> 16722
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 gggcatggaa cccaaagggc tttcacaagg tgtatatgcc atgccagata cgcaaaactt 180
 tgacaaatct ataattaatg cggacaccac cttgccaatg accactgcca caacggagtc 240
 gctctggccg acgacgatgt tcgaccccaa ctccacgcct ttagatgaga gcaacttctt 300
 cccaccgcca tgggtgcaat gaggacagca agggccttag aatcttgttt agaaactgcg 360
 gtttatttgt gcactttacc accacctcca cacagtctgt gacaacacta caagtcttca 420
 cgaccctgat gagagatgat gatagatgcc tgatttctac cttttgttct ttagccatt 480
 gcgagtgaca ttatactacc gtataagaat caa 513

<210> 16723
 <211> 516
 <212> DNA
 <213> Aspergillus nidulans

<400> 16723
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 ggtccgacga cctgctgcta cagcaacatg tgccgagcct catccgctcc gacactctag 180
 ctgaaggaac agtacttccg gatggcaaca tggcagagct gtttcggatg tcgcagcctg 240
 acaacacttc tccctcactc ccatcgctga gcgcccttgg gttagggtgcg cccttgtctg 300
 gccagctgg aatgaagcgt gcttgtctg gtagcgaagc aagaaaaatt gcactccacc 360
 ctagcttgcg cgtcgactac tgacggactg aggtttctgt catgaagact ctcatcttct 420
 tatgccata gcctgtttga aacgcgtttc tttttctgaa aaaaggaaaa gttgctatta 480
 ctctatttgc tattgcataa tttctatttg gtgcca 516

<210> 16724
 <211> 516
 <212> DNA
 <213> Aspergillus nidulans

<400> 16724
 tctgtgccgg cgttgtgggc agtaacttat ctcttcgaag tttttccga ctgtatacgg 60
 gcatggtttt ctacacggga atagccagga acggtcggaa taatcaacag tatagaaggc 120

gtaacgctta atggttgcatt cattacaggc cgccggctct accacatcca gaagtcgacc 180
 tgcgcaaact gcggttacct cgctgctaag actcgcaagt gtacgaatat ccctttcttc 240
 tcctgttgaa tggttatgga atcagcgaaa ggtggtatat gattacggga actctggctt 300
 acgatattgc gtggacaaca gacaactgga gcgagaaggc caagcgacgc aagaccaccg 360
 gttccggccg taccgctcac ctgcgggacg tccaccgccg cttcaagaac ggcttccagg 420
 ttggcactcc caaggcgcc cggtgtcctg agaaccacta aatcaattcc gatgttgcgt 480
 tttcgttccc cggggctgga gagggctggt atggca 516

<210> 16725
 <211> 519
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16725
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 gatcctagga attgttgaa acgccagct ttgttccaag atgagccagg gtaatctaga 120
 tctcgaaagt gagactcgt caatcgcgct ggaccaagtg ggtcgatca gtcggatgga 180
 gtcttgga gacagtgga aaattcagt acaatctata tacaaccgac ttggagcagt 240
 agaccgccag gagacgctag ctgcgtaagt ttccaatact gccgagcagc cttgcccttt 300
 tgaagcgagg aataatggg taggctaggt gaggcgtctt tcctgttctt acaggtatga 360
 tttcttttct gaactcctat aattaacccc aaactaaagc aagacatgcg acggacgtgt 420
 catcgtcga ctgctggatt attctctctg caggtttcgc ttaaccctac gcaatgtaaa 480
 tttattgtct gatctattta atcattttga ccccgctgc 519

<210> 16726
 <211> 525
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16726
 tcactcagct acagagccat accacagaga tccaaagcaa gcaaccaaac acaaacaacc 60
 taatcacaat gtccaaccgc gccgagagat tcgctgaaga cgattacgag cgtgagaatg 120
 acttetccgc tcccgtctca ggcgagtatg aggacgactc ctacgcccat gaaactggca 180

cgcaggggtt ctctaagggg atccctgtgc agagcgacga cgcagcctac gacgatccca 240
 tgcagccgcc gttttcgaac agcaaccagc aacttggtac atccgtttct atctgtcctc 300
 atcccgccta aattggtaaa ccgaggctaa ctggcatgat tatgcagagc aagacgaacg 360
 cgaggctata gacaagtcca atatcattag cggcaagggc aggtcgcttc gtcactccaa 420
 accccaggct cccagcggat acagtgaggg gccggacgag gatgatctgc ctgctgaagc 480
 gttcaacact ggacgttctg atatgaagcg gatttcgtga acgaa 525

<210> 16727
 <211> 528
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16727
 cacatattgc tagacaacaa gtccgactga ctatcgacag tcttgagctt ggagctggag 60
 gcgggcttgt tgggttagcg gttgcctctg gatgcgaagt tggcccacct caaatatata 120
 ttaccgacca agtgccaatg cttccoctta tgaaatcgaa tatcgcgctt aataacctct 180
 cccggaaagt gaaagccgcy gtcttagatt ggggcactac cctttcagac gagatcccc 240
 ggcgtccga tgttatcctc gccgctgatt gtgtgtattt tgagcctgcc tttccactct 300
 tgatatcgac actgcgcgat cttttgggtc ctgattccgt ctgctatttc tgtttcaaga 360
 aacgtagaag ggcagacctt cggttcttaa agctagcaaa gagagcattt caggtcaccg 420
 agatcgatga tgaccctgaa gccggaacat acaagcgga aaatatcaac ctgtacacaa 480
 tacgatcaaa gcccgttaca gggcatcatt gtatcgacgg gcgcgaca 528

<210> 16728
 <211> 529
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16728
 ttggcggcgc tccccaaatg agctcggagc agaagattgc tgccgcagag accgaagtcg 60
 aatgatcac agacatgttc aaccggttcg tcagacctta ccatgtcaac gtctggcaat 120
 tatatcgccc gccattcatg ttttctccag ttaacataat tctgtcctag attatcgga 180
 tctgtctga agaagtgcac cccaacgac taccgcgagg gcgatctgaa caagggcgag 240

tccgtctgcc ttgaccgctg tgcggcaag ttcttcgagg tcaacatcaa ggtcagcgaa 300
aagatgcagg gtgttgctgg tcagcagcag ggtgggtcgg gactaagcct gtgaagcgta 360
tggattgcct ttacgtgtgc tgatatagtg tactctactc tcggttgtgt aatgaattct 420
tgttttccct cttgtggttg tcagccggtg cttctctgca gttggcttgt ccagatttct 480
cgtgggttgg ccttgaaagc agcagcttgt ctggccgggc ttgttgcgt 529

<210> 16729
<211> 532
<212> DNA
<213> Aspergillus nidulans

<400> 16729

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agagcaggac gcaaatacaa tccccccgca caaactagtc gagtatatcc tcctcaagca 120
tggcgctgat gcgaccttg cccagcgctg acaaacgatt gtttcgcatg tctcgtatac 180
gacggagtgt aaagacccgt cagctataag gcggttgatt aaggatgaag ggctgggtga 240
gctggcgatt gtgcaggatg cagatcggct ggatcggctg ggcgctattg ggatcggacg 300
gtgctttacg ttcttgggtg cgaaaggaag ggatatgtta aaggagggtg aggagtggga 360
aatggagaat tcgataaggc attttggcga gaaattggaa agattggagg gaatgatgaa 420
gacggagaca gggaagaaga tggctaggtc caggacggag aggctggtgg aatttcgaag 480
gtggtgggag gaggagattg gggatatttc ttctaactga gattgcgtgg ac 532

<210> 16730
<211> 533
<212> DNA
<213> Aspergillus nidulans

<400> 16730

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tgctactggt atgccttctc tgcttcagtt cctctacctc ccaactaaca caggcgacag 120
aaattgaagt ctacttcgcc cgctgcctcg gctttagctc ctcgcactcg caaactcac 180
attcctgctc acgggcaaca taccgctaac atcaagcctc gcggacccaa tatcaactga 240
agaccgggag tccgagaccg acccgaaggc accctacgca gtgccaacat tgctcgtaac 300

atcagcggttc caacgggcct ctgcgttcta cgcatacacg cgctacgtgc ttaatgcaaa 360
 gggcgtcttc ctcatcgga tgggtgggata tgcaacagtg gccgccgtgg gactttggtg 420
 tgttctcttt gctagcagcc atggggcgat tagcaggagg accggtgctg ataagcgcac 480
 ggctgggttt ccatttggga atagggaggc gaagaagaag catgctaagg gga 533

<210> 16731
 <211> 533
 <212> DNA
 <213> Aspergillus nidulans

<400> 16731
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 tgcctcgtaa gttgccgaac ccgccctgat tttctccgcg ccgacccga ggtcgccgtt 120
 atgatgtcgt tcgagctttt ctcatgttct tcaggcggtt gaattttgtt gagtgcgaaa 180
 cctcctttac tgaccgattt ttgctcctag tgatatttgc aaactcatct tcgccttcat 240
 tcttccccct cttggagtct tccttgagcg aggatgcggt gctgatttcc tcatcaacat 300
 ctgtttgacg atcttggtt ggatccctgg tatcatccac gccatgtggg taaccgcgag 360
 tgatacttat gagttcccca actaaccatt ttcatagcta cattatattc aacattaga 420
 gcgccttgta ttgaccttg cacttgagac gtcaatccat cgcttattaa caccgtttcg 480
 cgaaagacga agcatgacat gcgatactct tttcgtcatt tgctgagagc aca 533

<210> 16732
 <211> 535
 <212> DNA
 <213> Aspergillus nidulans

<400> 16732
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 cgatcacgat ttcctagatt tatgctttct tcgactacct gcgagcgacg gcgccctgcg 120
 attcgattct tgcattctcc agcgatacct tgtttttcta ctctcggtta gggaaaacca 180
 aaatacttat ttattggccg cgggggttcag gccggcgatg atgtatagaa agcggcgatt 240
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 ccgcttagtg gtttagccat gtttcttccg ggggttggct tgggtacaaa ttttgggtgg 360

gacggaatTT catgctttac aaggatctag aaggcggcaa cgatatacgt cttgcattgg 420
 ttgggatttg ttaaatttgt ttcggaaggc tcgcgacggt tgatatcttg catatgtctt 480
 gtctggccat ttttgtttct gttcgtgtat atggttggga ctggtaacac acctt 535

<210> 16733
 <211> 540
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16733

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 ggaagtacga caaggcgtag gagagcagcg agaagtacaa agaagggaaa ttcattcttg 120
 aggaggaact cctgtgcgtg gtgtgctagg gacggtctta ggcgtggcca tgctccaagc 180
 atatcagcag gcacatcatc agggcaacgg gtttcctcct gagcacggct agtacggcta 240
 tgcttgcgga atggacgtta ccaagagcat ctttttgaca tggcgcggag tgaatggcgt 300
 tatcagggcg ttatcggtct tccggtttgg ttcagaatgg gaattttgcc atctatgcag 360
 cactacagat ttactgagg caaggttgaa ccccgcggt taaatttga tgtcttatac 420
 attttacgca tgcttatctt catagctttt aggctttgag agtcagatct gttgattcct 480
 tttgctgtgg ttttcgtcag atagttaggc agttcatctc aatccattca cttttccaac 540

<210> 16734
 <211> 541
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16734

gtcaccttac cttgccttct acttccaagg actcgataca ttgataccac ttgatacctt 60
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 ccacttgctc tgctctgaag gaccgtcttg ttttctcggc agtctcgccc gtggatatct 180
 tggacacagt taaagcctcg gagattttcc cattggattt caatccgtgc cctggatagg 240
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 cacaacaggt agtcccctcg atcatttctt actcccattg ttttgtgctt ttatttcatt 360
 gcaacatgcg cgccactcca atggaccacc ctgaggacca tcgtcgacca tacatagcaa 420

caattgcttg gatctcttga acatctcctt ttgcctctac ctggatcttc ggtgccgcat 480
 cgcgggttacc cagaatcttg atgacaatga tggccatgac catttgtctg cggcagccgc 540
 t 541

<210> 16735
 <211> 543
 <212> DNA
 <213> Aspergillus nidulans

<400> 16735

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 ccatgatcag agcgattagc aagatcatct ggattcaaaa cgacctcatt gcgcgctggc 180
 gaatgcgtga tggcgaggag ttcgctgatg agatgtctga gtatattatc gacgataagg 240
 aagggtacct gggtgacaag aagatccttg gcgacagtag cagcagcagc cgctcttctt 300
 cgcgctcgat ggaggatgac cgcgtagca ttgcgccttc ggttgccctc gcgtgtcctt 360
 ttgctgattt ggcgcaaccg ataacgcaaa ccaagatctg ggctgggaaa taggcgaccg 420
 ctctttatta agagaaagga ttagacgggt acgggtatga taaagcattg caggcgttta 480
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 ttt 543

<210> 16736
 <211> 543
 <212> DNA
 <213> Aspergillus nidulans

<400> 16736

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 gctacagact ggtcgctggt ggctgatcc ctctcactat tgctcctttc gctgccggat 120
 cctcaacccc cgtcacggat gctgtcctct gctcgctcct tgttctgcac tcgcacgttg 180
 gattccagta tgtacaccaa ctctccatt ctcttttgcg aagatctaac ggcttttaaag 240
 ggcttctatt atcgactact tccccacgcg ccgtgttctt aagacctcca cattgttgaa 300
 ctggctcctg cgcgggttca cccttactac agctgtcggg ctgtacgagc tcgagacaaa 360

cgacgtcggc ctgacggaga ccatcaagcg ggtttgaag gcgtaaacgg agcttatatg 420
 attttctgtct ttgccaatc ttgatttttt tatttgtcat tttatatcag atttggtttt 480
 ctatgttagg cgtctgccct tgtatacttg cttcacccgg aggtcaacca aggatagacc 540
 tgg 543

<210> 16737
 <211> 543
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16737

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 ccccaacccc cgtcacggat gctgtctct gctcgtcct tgttctgcac tcgcacgttg 180
 gattccagta tgtacaccaa ctctccatt ctcttttgcg aagatctaac ggcttttaaag 240
 ggcttctatt atcgactact tccccacg cggtgttctt aagacctcca cattgttgaa 300
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 attttctgtct ttgccaatc ttgatttttt tatttgtcat tttatatcag atttggtttt 480
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<210> 16738
 <211> 546
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16738

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 tcgtggatac gtcacgcagc gatggcccaa aaggacaagt catcggcgtc gaccacatac 180
 aagaactcgt aaacctggca cagacaata tgatgaagtc agaggatgga agaaaactgc 240
 tagaaaatgg aggcgtgaag tttgtcaagg ccgatggccg ccgtggatgg ctagatggcg 300

cgccatatga tgcgatccac gttggcgag cagcacaaga gctacaccct ctgctaatacg 360
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ccctgttcag taccgcattc ggcggtgggc agtatatatg ggtagtggac aagaagaaag 480
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caaagc 546

<210> 16739
<211> 546
<212> DNA
<213> *Aspergillus nidulans*

<400> 16739

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attcaattca accataatct gacaatatca cagcatatgg ctcgagtctg cccaaacacg 180
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atcacgcatt ccagcgcgcc ctgcaacgcg aaaacgctcg gaccaccagt ctctagaat 360
tcgaggcaca agctcgaatt ctccgcgcgt tctatcactg atgatcgtct tgttccacgt 420
tttttctctt ttcgttcttc ggctttccga ccgttgtctc caagtcctcg acctgtaatc 480
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attcgc 546

<210> 16740
<211> 549
<212> DNA
<213> *Aspergillus nidulans*

<400> 16740

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gacaaccagc caaccacctc caccgcggc ggtgcaagcg cccatcctac gcccgcaaac 120
aactctggtg gcggtgccgg atggggtgat tccggccttc taaagggtgg tcttgaagga 180
gtcgtatgca tacaacacct atcctttacc aagatgaagc actaatgtgt gataatccgc 240

agagcaaccg cctctccagt acctccggcg agtcccacag cggcaagatc tccagcttga 300
atggtgaact gtcttccctt aaggaacaga agatggccgg ggagcagcgg tatcggcaag 360
atattgagga gtccggcggg acggtgcccc aatcgtcggg tcatagtgat gcaagcttca 420
tgactgggaa gcccggtggc gctgggactt tgcttgggtg ggagactgcg aagggagcgc 480
ttaataggta tgatttattc tcaaactact gggttatgaa atgaatgctg acttgtgtag 540
catgatggg 549

<210> 16741
<211> 552
<212> DNA
<213> Aspergillus nidulans

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agccggtgac acgaagggtc acggcacaaa ccccgacaac gaccacatga accgcgtcga 180
ccgcacagcg cccatgcctg aggtgaccgg ctctcggaa ccgtacagtg gacagcccca 240
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cggccgccat tgagtggagg gctgatattg gagtttatgc attatataaa tatatgattg 480
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<210> 16742
<211> 552
<212> DNA
<213> Aspergillus nidulans

<400> 16742
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<212> DNA
<213> *Aspergillus nidulans*

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ggcgagcgga cg 552

<210> 16744
<211> 557
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16745
<211> 564
<212> DNA
<213> Aspergillus nidulans

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taactgaatg atatcctcct tttta 564

<210> 16746
<211> 564
<212> DNA
<213> Aspergillus nidulans

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 cggcacccgg atttcattca ttcaccgagg ccgcccgttc ggagctacat atctccccga 180
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<210> 16747
 <211> 566
 <212> DNA
 <213> *Aspergillus nidulans*

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 tcaactttga ccctagcgac gaactgaagc ctctacctgg tgacaaagcg aggatagtta 180
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 gcacctatca gtgggacata agggctctggc tggacttgg ctactacggt ctattctgtt 480
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<210> 16748
 <211> 566
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16748

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 tcaactttga ccctagcgac gaactgaagc ctctacctgg tgacaaagcg aggatagtta 180
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 gcacctatca gtgggacata aggggtctggc tggctacttg ctactacggt ctattctgtt 480
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<210> 16749
 <211> 567
 <212> DNA
 <213> *Aspergillus nidulans*

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 atgctcccta accatccatc gcttgaactc taacgttaat catatcttag gtccatcccc 180
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<210> 16750
 <211> 569
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16750

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cagtctcgat gctgtgctgg tcatgggtctt gctgaggctg cctaccctgc tcattcatgt 180

catttcacgt catggactga caaaaatgtt ctgcgacaca gcattgcaac gaacacacaa 240

accctagtcc aatgcccaata ccgacacctt ccttcacaca tcctatccga gctcttgagg 300

taatcgccat gtccgggagg tcatgtcat tggccatgct ctacctatcc accttccaac 360

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<210> 16751

<211> 569

<212> DNA

<213> *Aspergillus nidulans*

<400> 16751

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attctacctg ggctttcatc gttcagcaaa gagcaggttt tcttcattct ttacgcaaat 240

tgggtggtgca gcaaaacgac ccctgagaag gcccaagagg ctatatataa tgacctcat 300

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<210> 16752

<211> 570

<212> DNA
<213> Aspergillus nidulans

<400> 16752

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<210> 16753
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<212> DNA
<213> Aspergillus nidulans

<400> 16753

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<210> 16754
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16754

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 <213> Aspergillus nidulans

<400> 16755

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 <211> 580
 <212> DNA
 <213> Aspergillus nidulans

<400> 16756

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 <213> Aspergillus nidulans

<400> 16757

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<400> 16758

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<212> DNA
<213> Aspergillus nidulans

<400> 16759

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 <212> DNA
 <213> Aspergillus nidulans
 <400> 16760

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 <213> Aspergillus nidulans
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<210> 16762
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<212> DNA
<213> Aspergillus nidulans

<400> 16762

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<210> 16763
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<212> DNA
<213> Aspergillus nidulans

<400> 16763

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 gtcttgacga gtgtaccggg tttcacgcac caagagggtta tgcagcgcg cgtccgcctga 540
 gccatgtcaa ttgaagcgag ttcgaatgcc agaaggcata ggggcgacg 589

<210> 16764
 <211> 589
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16764

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 catgcagtcc ctcaactccc gcggtacgt caagaccag tctctctggc agtactacta 180
 ctacaccctc acccccgagg tacgcttaat tccagtcgcc tgatggaaag gcaacaacgc 240
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 ctgaggttgt ccctgccacc cacatcaagc agcagcgctt tcacgctccc cctcgtggaa 360
 tgatgggttg tgaagagcgc gagcgccgtc cccgtcctcc tcgtgagggg ggctaccgtc 420
 gccgtgagga aggcaaggag ggtgcccccg gcgagttcgc tcctagcttc cgtggcggaa 480
 ttggccgtgg ccgtggcgct cctgcttcgt aaggtggtgt cgatgtcgcc tcccggctct 540
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<210> 16765
 <211> 590
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16765

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 cttttctcac ttcaccacaa tcaaaatggc aacggtagag aaacaagaac aaaaagacac 180
 tcctgttaaa gacgagatgc aggactccga gttcgagcaa aaaccctcgg cccgcgcccc 240
 tccccaggat gaagacgatg actattcgga cgactactct gatgaccacg acgacgatga 300

ctacgaatac tcagacgagg gggacgatta ctatgacgac gaagacgaag aggacgaaga 360
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aggaggccag aacgttaggc agaagatcaa caacgggaac atatcgggg ccccggatag 480
caagaagacg atcgacgacc aagacgggct gaagctaaag ctagatgtga atctagatat 540
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<210> 16766
<211> 591
<212> DNA
<213> Aspergillus nidulans

<400> 16766

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gccggtccca tcatccagcg ccaccgagc aagctcgagg ccgagcgcca ggctattctg 120
aaggcccagg aagaggaagc tgccaagaag cgtgctgagg aagaggctaa gcgcaaggcc 180
gaggaggagg ccaagaaggc cgccgaagag gctaagaaag cagagaaccc cgacgctgaa 240
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actcaatttt gtcgggttac tctattatac cttttttctc caatccatga agctacggca 420
gtaaaacgat actcatttta tctgtttctt gatgaaccca tttcatacga gatgctgtgt 480
actggatcaa gctgcagcca cgcacgtgta tgacgagatg gacggattag atcgggcatg 540
tggatagact gtcggcgaaa agtttataag ctcgctaata ctagaggatt t 591

<210> 16767
<211> 592
<212> DNA
<213> Aspergillus nidulans

<400> 16767

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ggtgaagaag tagcaacaga ggctgtattc cagtggctct ttcaatacct atgggcccaa 180
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tgcgtcactc cccaacgtgc ataggacttc tacaagggat gcggtgatt cttcgggctg 300
 aagcattgct cttccactcc agtaattccg ggtgaagtct gtctgaacgg ttcctgggtg 360
 catcgcaatc gccatagctc gctctttgct tcgagactgc agatgaaggt cgaatgtttt 420
 tgctaattga aaaactgccg ccttgctagc acggtacgag taccatccac cggaggcggt 480
 atcagagatg gacccgactc gggctgccat cattgcatag gtcgaatgta ggggcagata 540
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<210> 16768
 <211> 594
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16768

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 aagaaggcac tcattaccgg cgagagtagc gttctctgta cctgttctgt ttcgcgggtc 120
 tattgctaac aagtctacgg cgctgtacag ctccggcatt ggccgctccg tcgcagccct 180
 gtacgccaaa gaaggcgctg acataacaat cgtctacctc cctgttgaag aagaagacgc 240
 gcaagagaca aaaagactcg ttgaggccga aggacgcaa tgcttctgctc tgagcgggga 300
 cctccgcgac cgggggttct gcaagcaggc cgtcgattcg cacgtacaga aatatggaca 360
 catcaacatc ctagttaaca atgcctcgca gcaattcagc tgtcccgacc tggcgagat 420
 aaacctcgac accgtcactg atgtctttca gacaaatc atccagatgt ttgcgatgac 480
 gaagttttcc ctccgcata tgagcaaagg agatagtatc atcaataata cttcggtcac 540
 agcgttcaga gggacaggta gcatggtgga ttatgcatcg accaaggggg cgat 594

<210> 16769
 <211> 594
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16769

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 aacgtccgct caagcggcgg ccctctcctg cagcggagct ggcaacaaca cgtgtggcat 180

caaatggtac aagtcaagct gggacgggtc aatcggatat gagcaacaga ttattgcgac 240
 tgatgtcctc tcgtctgtcc ttgtttcgga aaagtcaaac cctcctctca ccaccaagac 300
 cggtggaaac agtacaagcg acccaaatgc cggtacaagt gatagcaagc ataatacagg 360
 cgaggcgaaa cctattacca ctggtgatcg cgcgggcgct ggcattctga cggtgggttt 420
 tgttgggctc tgggggtgcta tgattgcgtg gatggctctg ggcgaggac tgtagcggtc 480
 ttttgccctt cttgtttgtt tcagcctgcc tgcacggctt tcttgatat tcagtaatca 540
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<210> 16770
 <211> 596
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16770
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 ctgcacgacg gatgcatgca ggaaagcctg gggctctgcg gttatcaact cgtccagcgt 120
 gtatgtctac ggtgcgggat tgtacagttt ctttgaaaac tacggccagg agtgcttggg 180
 tgactcgtgc caggagaata tgggtgcagg agactgctcc gacgtgcata tcttcgggtc 240
 cagcacgatt gcatcagaaa atatgatcac caactccgat gggctcgagtc tcgtgccgca 300
 ggaggggaaac aagagtacgt attgttcaac aattgcgttg tttgagcaga cgtcgcaggc 360
 gtgagcatga gttacgttta aagttttggg acgggataga ttgtttactt cattttcacc 420
 tctgtctcta tctatctagg tatggtatat agttcgttgg aggttttagtc ggtcctgtgg 480
 tctgcgttat ctaaatagac gaggcctagg gtggactttg ttgataccat tatatttact 540
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<210> 16771
 <211> 598
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16771
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tcgacgaact ataaaaccct acccaccctt cgatatcttt gtattctata ctcccacaag 180
 agccactgtg ttcttcccg cagcttcgac aaactttcgg cacttcgttt ctatcccggt 240
 gcagtgttca ccttccgtcg gtgatagata ctgtgacgag gaatcgggct tgtggatcct 300
 ccaactgcca ccgtcagaag accagtgcctt ttcaagctcc agagtatgga tcattgatat 360
 tgggttaccg gagcaccatt ccatgggtgat attggatgtc ctatttcaa gcacatctca 420
 tcatggagcc gttctccagg ttctgcagat aaacggacgc tacatgtacg gtgtcagctg 480
 tgctggcata cgtcctgtca ccgattcatt tgtctgttct ctttctactt actgctactt 540
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<210> 16772
 <211> 600
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16772

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 atgctctcca ggaaacacgt cgtcccgtt ttcaacatct ctgcaatact caaccgcgcc 120
 gccgcatatc catcgtcctt tgtaaagttc cctgcagaa ccagattcg ctcacagagc 180
 cagagacaa gctcgaggtc atccgccgtc ccgcaagca gtgtctgcgc cgtgtgcatg 240
 tgcggtggata ccagcccagg gatcacgac cgaccggtga ggtcatatct ctcttcacg 300
 gggatttgcg caagcagcgc cgctgtcttg ccgagcgagg aaatgcgatt cgaaccgcgg 360
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 gcgtgagtga agagcatctt atctgcatac cgctctgcct cttattggag ctgttttatt 480
 tatecggtgg gtgtggtttc ttgcatgtg tctgcagatt gatgttatat actttgcgag 540
 ctgggtgaat cgggatgtcg gcgacctcg agactgtaga taagaatgga gagcatttgg 600

<210> 16773
 <211> 605
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16773

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gctaccctcc tcagggacca cctgtagtc gactctcttt gttggttggg tattatactg 180
acatgggtct acaagatgca ataccaacaa cctcctccac aagtaatcgt ccaagaagaa 240
aagaaagata gaggatgttt agctacttgg taggttgatc aattgtttga gaagaaacgg 300
aacttacgga atgggctgac tacggacagt ctggcgacga tattctgctg ctggctttgc 360
ggggagacgt gcgaatgctg ccttgattgt ctaacttgct gctgtagct gttctctgtc 420
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tcatgtttag gacaacgttg cttgacattt acgtgagaaa tcaggagctt gagctccttc 540
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aattt 605

<210> 16774
<211> 607
<212> DNA
<213> *Aspergillus nidulans*

<400> 16774
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gaatacaaac catgaaagtg tggcctatcg atcctttagt cctcgaaat ttgaggctag 120
aggtgccaga aaagttacca cagggataac tggcttgtgg cagccaagcg ttcatagcga 180
cgttgctttt tgatccttcg atgtcggctc ttcctatcat accgaagcag aattcggtaa 240
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ggttagtttt accctactga tgaaggctgc cgcaacggta attcaattta gtacgagagg 360
aaccgttgat tcagataatt ggtttttgcg gctgtctgac caggcagtgc cgcgacgcta 420
ccatctgccg gataatggct gaacgcctct aagtcagaat ccgtgccgga acgcgggcgat 480
gttgccccgc acgtcgtagt tggatacgaa taggcctccg ggccctgtac ctcagcaggc 540
tggcgacggc ccccggggag aagccctcgg gagccggctg gcggattgca atgtcacctc 600
gcgcggg 607

<210> 16775
<211> 608

<212> DNA
 <213> Aspergillus nidulans
 <400> 16775

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 cgctggcgac tgctaagaag gattacaaag aggtagagaa tttcttccgg cgggaatact 180
 atcgtgatga ggagacaccc tcgtcccctg aagaatccaa aaaagacgcc aaagcataag 240
 ataccttttt tggaggattt ggatggacga ggtagaagga agccgttact actgtcttgt 300
 taactggata taccacgaga ggggtggcag tggacagcgc cagccacgc cctccctctt 360
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 cacaaggtac gacaaaattc gaattggagg acctacactg cagctgtaca ggcacgggac 480
 agtgcgttgc agtgtttcgc tccgttagag tattatatga acccaaggcg ttgccatgat 540
 gtttgtggta gatgttaggc ctgtgcttta tgaacgatga tatatctcat gcacactgcc 600
 ttgtggca 608

<210> 16776
 <211> 610
 <212> DNA
 <213> Aspergillus nidulans
 <400> 16776

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 ggttcgtatg agccttggct atccaataga cgatgactgc ccgatacgtc aagcgagcac 180
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 tttggtgcat ttattcgatg cgacagctga ggacggaccg gccaatgcta ttgtgacata 360
 tcactgcaag ggacgatggg gtttactggg catgccgagt aggacaatcg gccccgaggc 420
 tacggattgc cgaattgaac cctaagagct gccgcagtat gatccatgct tgccctgac 480
 tctcgtgccg cgcttcccca gggccagtca accttctcgg cggcgtgctc tgtcagctaa 540
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cttcagccgt

610

<210> 16777
<211> 612
<212> DNA
<213> Aspergillus nidulans

<400> 16777

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accgtgagga gggtctggag gctcgacagg aatatgagcg ggccgagctg gcggcacaag 360
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aggtagcagt tggtttagtg tccctggata ggacggatag acttggatag gataggagag 540
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aatgtgcact gc 612

<210> 16778
<211> 618
<212> DNA
<213> Aspergillus nidulans

<400> 16778

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tcacagttga ggggtcagaa aaagcaaatt gactgtgcgg ggtattcgaa agcccttggt 180
cacctgaaca cctacagcat agggagtact ttgcttcgcc ttgtttcctt ttgctggaga 240
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ctgttaccat ttatcttcgt cttacatata ttgaatgatt ctttgagaca gttttggttg 480
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gcgaagtgct agcaggcc 618

<210> 16779
<211> 619
<212> DNA
<213> Aspergillus nidulans

<400> 16779

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gatgtgcggg cgctccgcaa atccgccgga atggatctcg cactccgtcc agctctgacc 180
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<210> 16780
<211> 621
<212> DNA
<213> Aspergillus nidulans

<400> 16780

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gaagacactg tacagcgaca ttctcggtaa cctacaaagg atcccagccg aatttgagtg 180
ggtaaacttc atgactagaa atgcttcttc gctcgttgac ccagatgctc cgccacggtc 240

gattgcaaac attaaactttc ccaaccagga ccaccccgcc acgcagccgc taatctcagg 300
aacgctgcaa cggaagtctc gcatggcgct caagggttac agcagcttct tctacgttgc 360
cacccgtgcc cgatacctgc acgagttcaa agacaatgac gacttcaacc ggcacccgtc 420
tcccagagatt tccctttatc taccagactg ccatattgtc tccgtcgatg aagtcaaaca 480
taccttcaca atcaagggca aggacgtttc cagcaacgct atcggtaatg cctttcacac 540
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<210> 16781
<211> 621
<212> DNA
<213> *Aspergillus nidulans*

<400> 16781
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cgcttatctt ccttgactgg cttgcatgtc tctgaggctg ggtatattgt gtgactatct 480
gacgccagat accctctcta tttttccgct ttcgtgatcg ttatcttttc tcttctttac 540
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cgtcccggtt gggttgaatg g 621

<210> 16782
<211> 623
<212> DNA
<213> *Aspergillus nidulans*

<400> 16782
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togacatccc caaagtccgc cccgccacca tcagatatg caccgtctct tctccctca 120
 gcacacagag atataaactc tgataccgac gaaagtgacg agagccccga gcaaaccag 180
 cgtagcaaca cggccatccg cagggcaagg gatttaaata cattctcgtc agcttcgtcg 240
 cccaacagcc caggaacagt gaagctgaag atcggccgaa cgagcaacgt cacccgacga 300
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 acctcgatc cgcagcggca gggcggaat ggtggtttgg aacccggaag aaaagtcccc 420
 atgtccatcg cgtggagaga ctcatccatc ttgagttggc ggatatgcgg ataccgatct 480
 gggaccatgt ccagagtgtg ggaaggacac agagaatggt ttgaagttgc tgctgaacgg 540
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 aaataggtat cttgatagat tta 623

<210> 16783
 <211> 626
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16783
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 cgaatgatca ggtaagatga aggcccatta ataccactg tcaatcccca tcgaagctca 120
 agttcttttt agggccatcc cagcaaacat caccagttcc acgttacgca aacatctctc 180
 aacaactcag gcttttacct gcctgaagat cacaacacag ctccacacca ctccagggtca 240
 tatcacggcc cggatttaag tctcgtcgat catttagcgt caacaacgtt caacccccgcg 300
 tccacgttgt tactgggtcc ggcccctggg tcggatctgg agccgcaaaa aagcggatgg 360
 agtgtcatgt cgcacagag tacgccgagt gctggagaag atgtaccgcc tcgagtaagt 420
 gcatgcatac cttttctcta gagaccagg ctcaagccaa ggcgatttga cagacgacaa 480
 ggcggcgagc gcaaaatcgg gaagcgcagc ggcgatttcg acagaagaag gaagacgcac 540
 aaaaagtgtc tgaggagaga attagcagcc tggacgcca atgcaaagag gtttcaagca 600
 actggcgcag aaatgcgagg cagccc 626

<210> 16784
 <211> 627

<212> DNA
<213> Aspergillus nidulans

<400> 16784

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<210> 16785
<211> 628
<212> DNA
<213> Aspergillus nidulans

<400> 16785

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628

<210> 16786
<211> 630
<212> DNA
<213> Aspergillus nidulans

<400> 16786

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<210> 16787
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<212> DNA
<213> Aspergillus nidulans

<400> 16787

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<210> 16788
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 <213> *Aspergillus nidulans*

<400> 16788

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<210> 16789
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16789

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<210> 16790
 <211> 634
 <212> DNA
 <213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16792
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16793
 <211> 648

<212> DNA
 <213> Aspergillus nidulans
 <400> 16793

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 catcttcctc cgctgcttct tgttttgccc tatttgtagc ggcagctggt attcgatcga 600
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 <213> Aspergillus nidulans
 <400> 16794

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 tgcccaattg tatgggtgcg tgcgactggg gatctgcata tctttacgat gtatgtttgg 180
 attgtgcttc ggttggtcca ggccattgat gcacacagtg ggtatgagtt cccatggagt 240
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 gaataacgct atcgtaattg aggtctcgtg ggtaattttt atttctgcac tgctgtgata 480
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648

<210> 16795
<211> 650
<212> DNA
<213> *Aspergillus nidulans*

<400> 16795

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<212> DNA
<213> *Aspergillus nidulans*

<400> 16796

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<210> 16797
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16797

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<210> 16798
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16798

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<212> DNA
<213> *Aspergillus nidulans*

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<210> 16800
<211> 660
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16801
<211> 661
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16802
 <211> 662
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16802

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16803

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<400> 16804

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<400> 16805

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<210> 16807
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<212> DNA
<213> Aspergillus nidulans

<400> 16807

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<210> 16808
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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> *Aspergillus nidulans*

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<210> 16810
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16810

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 <213> *Aspergillus nidulans*

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<400> 16812

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<210> 16813

<211> 671

<212> DNA

<213> *Aspergillus nidulans*

<400> 16813

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<212> DNA
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<400> 16814

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<210> 16817
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<400> 16817

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<400> 16820

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<210> 16821
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<213> Aspergillus nidulans

<400> 16821

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<210> 16822
<211> 703
<212> DNA
<213> Aspergillus nidulans

<400> 16822

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<213> *Aspergillus nidulans*

<400> 16823

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16824

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<210> 16825
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 <213> Aspergillus nidulans

<400> 16825

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<210> 16826
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16826

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<210> 16827
 <211> 706
 <212> DNA
 <213> Aspergillus nidulans

<400> 16827

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<210> 16828
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16828
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<210> 16829
 <211> 713
 <212> DNA
 <213> Aspergillus nidulans

<400> 16829

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<210> 16830
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16830

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<400> 16831

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<210> 16832
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16832

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<211> 717
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16834
<211> 720

<212> DNA
 <213> Aspergillus nidulans

<400> 16834

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<210> 16835
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16835

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<210> 16836
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16836

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<210> 16837
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16837

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 <211> 725
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16839
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16839

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16840

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 <213> Aspergillus nidulans

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<210> 16842
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16842

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 ctcggtcgcc agcctgatat gtgatgtcgt ccacgaattt gatttgaatt gggctttgcg 660
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<210> 16845
 <211> 734
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16846
<211> 737
<212> DNA
<213> *Aspergillus nidulans*

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<210> 16847
 <211> 737
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16847

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16848

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<212> DNA
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<212> DNA
<213> Aspergillus nidulans

<400> 16850

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<211> 741

<212> DNA

<213> *Aspergillus nidulans*

<400> 16851

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<400> 16852

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16853

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<212> DNA
<213> Aspergillus nidulans

<400> 16855

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<212> DNA
<213> Aspergillus nidulans

<400> 16856

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<400> 16857

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<212> DNA
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 <400> 16858

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 <400> 16859

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 <211> 768
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<400> 16860

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16861

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<212> DNA
<213> Aspergillus nidulans

<400> 16862

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<210> 16863
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16863

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<210> 16864
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16864

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<213> *Aspergillus nidulans*

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<400> 16866

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 <213> Aspergillus nidulans

<400> 16867

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 <213> Aspergillus nidulans

<400> 16869

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16870

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 16872

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<210> 16873
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16873

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 <213> Aspergillus nidulans

<400> 16875

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16876

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 <213> *Aspergillus nidulans*

<400> 16877

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<400> 16878

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 <213> Aspergillus nidulans

<400> 16879

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<400> 16880

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<210> 16881
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16881

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 <213> Aspergillus nidulans

<400> 16882

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<212> DNA
<213> *Aspergillus nidulans*

<400> 16883

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16884

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 <213> *Aspergillus nidulans*

<400> 16885

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<212> DNA
<213> *Aspergillus nidulans*

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<210> 16887
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 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 16887

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 cttgccttcc caaggggtgg tgatctggcc ccgccagcta ttaaagaacc ccgtgcggaa 780
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 <213> *Aspergillus nidulans*

 <400> 16888

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gccatcgag cgcttctctt caccgcgcgc cgctcggtt acttcgaccg ccatgttcgc 420
cgttatcgct ggagtcttca acgacaagat caagccgtac gggatcgacg gacacatggg 480
ccgcaacatc tacgcgcgca cctggctcgc cactgctttc tcgcttgctg ctgctttggt 540
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caaccgtggt ggcatcactg ccgagaaggc gccttacacc tacgagcccg tcggcgaagg 660
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gccaaaccgc tatgagccat accgccacgt ctaaaacaca aaaataagaa aacaagcaga 780
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<210> 16889
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<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 16889

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16890

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<210> 16891
 <211> 851
 <212> DNA
 <213> Aspergillus nidulans

<400> 16891

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<210> 16892
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<212> DNA
<213> *Aspergillus nidulans*

<400> 16892

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gatgttcaag acaatgacac ggtaacttac gattccgcat ttcgggtacg ccgacgagct 180
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<210> 16893
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16893

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<210> 16894
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16894

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<210> 16895
<211> 867
<212> DNA
<213> *Aspergillus nidulans*
<400> 16895

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<210> 16896
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16897

<211> 871
 <212> DNA
 <213> Aspergillus nidulans

<400> 16897

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 <213> Aspergillus nidulans

<400> 16898

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 <213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

<400> 16901

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<212> DNA
<213> *Aspergillus nidulans*

<400> 16902

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<212> DNA
<213> *Aspergillus nidulans*

<400> 16903

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<213> *Aspergillus nidulans*

<400> 16904

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<210> 16905

<211> 896

<212> DNA

<213> *Aspergillus nidulans*

<400> 16905

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<211> 900
<212> DNA
<213> Aspergillus nidulans

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<210> 16907
 <211> 903
 <212> DNA
 <213> Aspergillus nidulans

<400> 16907

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 <213> Aspergillus nidulans

<400> 16908

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<213> Aspergillus nidulans
<400> 16909

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<400> 16910

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<213> Aspergillus nidulans

<400> 16915

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<210> 16916

<211> 931

<212> DNA

<213> Aspergillus nidulans

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 cgaaacgaca gccgttaaag gcagggtggct gctgagacat gaccttctgc atccttctac 780
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<210> 16917
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16917

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 gctgctacgt ctagcctaac cagcaggcct agcacctcgg gggattgtgt gaagcctaata 180
 cgctttgccc aatccagcag gagattgaaa ctgtacgtga cgtattgatc ctcgatcttg 240
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 gagtgagacg gtcgagatag agccaactga gacgaccaag gcaactgtat acgagacggc 540
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atcaaggaat tcagaaagac ttctctccct tgataagggt gaccgaatca agccagtggg 780
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<210> 16918
 <211> 943
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16918

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 gcttgagcgc tccacgacct tcgatgaggg ccgcgccgtc ttcttctccc acaacgacgt 180
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<210> 16919
 <211> 944
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16919

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gctgcgggag aagtataacg ccaccactct tccgagtgtg tatgataaga tcaagatcga 900
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<210> 16920

<211> 946

<212> DNA

<213> *Aspergillus nidulans*

<400> 16920

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atctacaagg gctatgagct ttttgtcatg gccaaagtgt acctcgaaaa atggtgccag 180
catgttcaga actaccgtat cacattcagc tacgtagttc ctccggttgt tctccttctg 240
ggcaaacacc ctatagtcga aaagtacgat cttccagtc tacgaatgat gaactccggt 300
gccgcgccgc ttactcagga gcttggtgaa gctgtctaca accgcctcca catcggtatc 360

aaacagggtt acggtcttag tgagaccagc cctactactc acactcaacc atgggggtgaa 420
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 acgatgcccg aggacgggtc agaaccacc gaggtgccta cagggtgaggt tggggagctc 540
 tatctccgtg gaccgaatgt cttccaaggc tatcacaaca acccagccgc aacagcagac 600
 tcaatctctc cagatgggtg gtttcgcacc ggcgacgtcg gctaccagga ctccaagggc 660
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 ccagccgagc tcgaggggtat cctgggtgat aatcctgcag tcgacgatgt tgccgttgct 780
 ggtgtcgaga gcgctgaaca tgggactgag gtccctgttg catttgctgt aaggagcgcg 840
 aagagcaaga gctcgggtgt ttcggcgcg gaggaagcaa agaatatcgc caagtggctg 900
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<210> 16921
 <211> 946
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 16921

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 catataaagg gcgctcttga gaactttgct gagtatattg tcgacaactt ccttcttcca 180
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 gagaatgggg ataattctaa agacgacgac ggaaaccttc tgagcaatga atcacggggt 480
 ggattccagc atctcgaagt tgcgcacatt ctccctcaca gcttgacaac gttagcgag 540
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 ccaccgtctt gatggaccaa atatcgatag ttctgtta atgctttacat tgacgcttga 720
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 tcgtacgctg acccttagtc caaacctgac gatcgacccg ccagacccca gacttctccg 900
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<210> 16922
 <211> 947
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16922

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 ccaggttccg cagtatgcgg gggcgctgt ttatcccaa ggacagcagg gtccggaccc 240
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<210> 16923
 <211> 952
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16923

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ggaggatttt atgaaggtgg aggggaaaca gaagaacgat gcccagaagaa gaggaaggc 240
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<210> 16924
<211> 958
<212> DNA
<213> *Aspergillus nidulans*

<400> 16924
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cagtcagcac tgcggcaatg caaactccag gctgatttga gactgcacct ctccaggcgc 240
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<210> 16925
 <211> 964
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16925
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 gacaaatttg tgaggtggcg ctagggaagg actgtgatga cctcggatgc gacaaaggcc 180
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 cagcagcaac tggagcctcg gcggcaaagg cttttctaga atactggacg ccttccactc 480
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ggaaaaatag tcatatcaaa atagattcag tgtgaaggcc gtgaagatgc gccccatgtt 900
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<210> 16926
 <211> 976
 <212> DNA
 <213> Aspergillus nidulans

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<210> 16927
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16927

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<210> 16928

<211> 994

<212> DNA

<213> *Aspergillus nidulans*

<400> 16928

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<210> 16929
 <211> 997
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16929

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<400> 16931

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<400> 16932

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 <212> DNA
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<400> 16934

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<212> DNA
<213> Aspergillus nidulans

<400> 16935

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<212> DNA
<213> Aspergillus nidulans

<400> 16936

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<210> 16937

<211> 1013

<212> DNA

<213> *Aspergillus nidulans*

<400> 16937

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<400> 16938

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<400> 16940

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16941

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 <213> *Aspergillus nidulans*
 <400> 16943

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 <213> *Aspergillus nidulans*

<400> 16944

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<210> 16945
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16945

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 <213> *Aspergillus nidulans*
 <400> 16946

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<210> 16947
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16947

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<210> 16948
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 16949
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 <213> *Aspergillus nidulans*

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 <400> 16950

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<213> Aspergillus nidulans

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<210> 16952

<211> 1051

<212> DNA

<213> Aspergillus nidulans

<400> 16952

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16954

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 <213> *Aspergillus nidulans*
 <400> 16955

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 <213> Aspergillus nidulans

<400> 16956

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<210> 16957
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 <212> DNA
 <213> Aspergillus nidulans

<400> 16957

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<212> DNA
<213> Aspergillus nidulans

<400> 16958

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<210> 16959
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 <213> Aspergillus nidulans

<400> 16959

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<210> 16960
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 <213> *Aspergillus nidulans*

<400> 16960

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 <213> Aspergillus nidulans
 <400> 16961

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 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
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 <400> 16963

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 <400> 16964

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<213> *Aspergillus nidulans*

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<400> 16966

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<213> *Aspergillus nidulans*

<400> 16967

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<210> 16968
<211> 1093
<212> DNA
<213> *Aspergillus nidulans*

<400> 16968

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<210> 16969

<211> 1101

<212> DNA

<213> *Aspergillus nidulans*

<400> 16969

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 16970

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<210> 16971
<211> 1102
<212> DNA
<213> Aspergillus nidulans

<400> 16971

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<211> 1103
<212> DNA
<213> *Aspergillus nidulans*
<400> 16972

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<212> DNA
<213> *Aspergillus nidulans*

<400> 16973

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 <212> DNA
 <213> Aspergillus nidulans

<400> 16974

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<400> 16975

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<400> 16980

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1149

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<212> DNA
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<212> DNA
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<400> 16984

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<400> 16985

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<213> *Aspergillus nidulans*

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<210> 16989
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<400> 16989

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<210> 16990
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<212> DNA
<213> Aspergillus nidulans

<400> 16990

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<400> 16991

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<400> 16993

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<213> Aspergillus nidulans

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<400> 17007

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<400> 17011

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<400> 17012

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<213> Aspergillus nidulans

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<400> 17018

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<212> DNA
<213> *Aspergillus nidulans*

<400> 17032

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<210> 17033
<211> 1455
<212> DNA
<213> *Aspergillus nidulans*

<400> 17033

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 <213> *Aspergillus nidulans*
 <400> 17034

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<210> 17035
<211> 1471
<212> DNA
<213> *Aspergillus nidulans*

<400> 17035

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<210> 17036
 <211> 1489
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17036

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<210> 17037
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17037

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 <211> 1495
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17038

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<213> *Aspergillus nidulans*

<400> 17039

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17040

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 <213> Aspergillus nidulans
 <400> 17041

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<400> 17042

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 <213> *Aspergillus nidulans*
 <400> 17043

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 <213> *Aspergillus nidulans*
 <400> 17044

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<213> Aspergillus nidulans

<400> 17045

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<400> 17046

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<212> DNA

<213> Aspergillus nidulans

<400> 17047

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<212> DNA
<213> *Aspergillus nidulans*

<400> 17048

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<400> 17062

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 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
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<210> 17079
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17079

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<211> 323
<212> DNA
<213> *Aspergillus nidulans*

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<213> *Aspergillus nidulans*

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 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
 <400> 17083

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<210> 17085
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<213> *Aspergillus nidulans*

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<212> DNA
 <213> Aspergillus nidulans
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 17089
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17089

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cctgataggg gaaggaaaact ggacaagaag gcggcattgt ccgtcagaag gacaccgggt   720
aaggcctaat ctaccgtgtc tctgtcctag cagcagctaa tcgtcatggc agttgggact   780
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<210> 17090
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17090

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aaggcagtga gcatgtgtag aggggtgggtt ggcgataaat cgcacgcaac ggagcacaga   180
gacactgagg ggaagcctac tcagaagggtg gatctgagta acggtcataa ggggggttgtt   240
gacgcgggctt ctgccactgc ccctagcaac attgtgtcac cattgttgtc ggcgaaaatg   300

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aatggggatt tgggtgctatc aaagggcacg ccggtggatta atatctcggg ggatttggag 360
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 aagaggttgg gtaagggttaa ggttacctac ttttgagttt gggttcatac ttagggttat 480
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<210> 17091
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17091

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 gatgggagac aattctgcta ccattcaact cctttgtccg gactaatcat gggcttgttg 480
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 aagagcacia gccaaagggg ctgaaggggc tacgcgatga gtgggactaa gcgactgaaa 780
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<210> 17092
 <211> 403
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17092

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<210> 17093
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 17093
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actccttagt cctacactgg agaaggcatg cagcggtaga actgtctact aacggtttgt 180
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<210> 17094
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17094

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 taccaaggta tgtttcctct ctagttgcag ttgacctggg tccccaggtc gaattcggca 180
 ctggtactga tcgtctgttg tagactcgca cttctccagc ccaggccaaa ccaccattag 240
 cgcagggggt aagtaccct ctggctcgac attcagcccg tcgctgtcgc cgccaatgcc 300
 ctccgagggc gggcgccga tctctgagat cagcgggagt gacgagcatt tccgacacca 360
 gtcgggcccg aaccacgggc ttggcgatt tgcgaagccc gacctgatcc cggaactcga 420
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 ttgtcaggag ctggaagagt 500

<210> 17095
 <211> 156
 <212> DNA
 <213> Aspergillus nidulans

<400> 17095

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 tattgaagtt gtgggatgaa cccacagata ttctcc 156

<210> 17096
 <211> 643
 <212> DNA
 <213> Aspergillus nidulans

<400> 17096

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 ccaatctgac aggaggtatc aagaatgtgg ggtagttta tattgacgcc tcgggagtta 180
 gccgcaaggc ggttctcaag tctgttgcta agggatatgat cgttggacgc atgaagaacg 240

gacagcaagt cgttggtggc tcaggcgacg gtggagattt gtccccccc gggccgggtc 300
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 cgggcacata ctcggtcggc ggagcaagca tgtcaggcgg gaaacgttga agctctaacg 420
 tcaacacata attgactttg ttttcttcgg ttttacggtt aattgttcac ttattcctcc 480
 gttacatagg gcatactatt ctgcagcagt tacggcaggc tgtcttgtct tcaaattact 540
 tttgacgtat gcacgttctt gctggaattt gtgatacggg aacgatacca cttctgggat 600
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<210> 17097
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17097
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<210> 17098
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17098

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cgcggtatct tctttcctcc attctctcct cctttgcttc gcttcgatct tgccttgcta 780
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<210> 17099
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17099

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caaggctcaa cgatgccgag cagaaatatg gtggcaagta ctaccatgcc caaaggaga 240
aaccctgcca acaagaagat cggctgcagg gtcaagggca aatttcatga catgactggg 300
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tatgtcgata tgtttgaatg ctgagaagca gtctgctaac tcataaccagg cataatctgc 360
 ccggagctca ttaaactgaa aatcttgaag tgatgtgata tgacctotta tatgatgtat 420
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 tccaatacac tacacagagc 500

<210> 17100
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17100

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 tggcaccgtg tctcttcccg ccacaagtcc tgacctattt ttagattcga gcgccaccag 180
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 gctgccgcca ggctcgggtg ctctgctgct ggtctggcag gtctcctcat ggccgcttgg 300
 gctctgtaag ggccttgccg aagcaattca gtctggtatg aagtgcggtg ctgattgcac 360
 gattcacggg ccatgcaagg cattaatggt ttggatggat tggacggtt tctgatggtt 420
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 ttgagttaat taaccctgta 500

<210> 17101
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17101

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 tacacaaatc cggattcttt gtgctgcggg agacatctga ttagtgccct gggactcgtc 120
 cagcagcgct ccaatttctg aatatggagc cttgagttaa tcgagtccga gttcttcgtg 180
 cagtcagtta catctccgct ctctcccat ttctttgggt ctggccgatg cgcacattcc 240
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 tgggattttg gacacaatct atacagcaag tgtagccgga tcaaccgccc gctgcgttcg 360

cgacgatccg atgagcgaat accggaccag caagtcatgg atcttgcttg atgcagtaca 420
 ataatggctg caatagataa ccgggagtag ctcggaatga gagcctgctg tttaaaactc 480
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<210> 17102
 <211> 266
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17102
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 tgctatctcg ccaatcggac ggggacaaca cagtgatgaa tttgggagaa aatcctgcgt 180
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 gctcctggcg gagaccctca agtgcc 266

<210> 17103
 <211> 839
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17103
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 tggcggcatt gacggctcct ggtgcggccc gtacaagaca tggcaacgca tctacaacta 480
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 agctctcgtc gaactcgtgt ggtcaggcaa ccgcgatgca aaggggaaca aacgcaccac 660

tctcttcacc caacgaatcc tcaacttccg cgagtatctt cttgccaacg gcgttatggc 720
 tgctactgtc gttccgaagt attgcctgca gcacccgcat gcttgtgatt taaattatga 780
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<210> 17104
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17104

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 cagtatacgc cgacgagacc aaagcaacag ccagagtcgc aatcgagca acgcccgtca 360
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<210> 17105
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17105

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<210> 17106
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 17106

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gaactagcag atagcacctg tggacgggag ttggatttag cattatcctt ttagggaatt 420
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<210> 17107
 <211> 106
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17107

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<210> 17108
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17108

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 ggtcggacgc gcggcgggac cagtgcgtgtt ttgtactctg ttttgggtggg ttggaaggga 240
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 gttgagggca ccggctgttc ctctgctgc tggagaagga aaaccggtac gatgactcta 360
 ttgcatatac caaggcttat tgttctgtga gcctgggcta ggtatgtacg atatatgtcc 420
 tatgctgttg tatatggtat acatagtctc tgattagagc aatgttactg ctgctgctgg 480
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<210> 17109
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17109

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 gcaaaattga agccgacata gtaaaatctg aaaagtctcg ggtagtgag atggcccaac 180
 aactgggtga gatgccaccg atcgaggaac tagcgatgcc gagaactgga ctttggacac 240

gacccgcgct caaatcatga gagacagtcc aaccaaccaa tgctatccat aatcccgcta 300
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tgatcataaa 850

<210> 17110
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 17110

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aaattgaata tctattcaat aaagggtgata tatatcatat ataacttgag aaatcaaggc 180
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aataacaaaa cttgttaagt aaaatggatt caaatctggt tgaataaagg ggaaccttcc 420
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tagtagtttt ataagcagct 500

<210> 17111
<211> 674
<212> DNA
<213> Aspergillus nidulans

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 gactcaagtc gacatgggcc ggccactgca cagtttggtc ctcttaggac gaagagcgca 720
 tgatctggag aaagactata ttcaagatt cgccgtagat gaggcgacgt tcgatgcagc 780
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<210> 17113
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17113

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 gatatggcga gcaaacaatt acgctcaaat ggccaccagc acggcgctat ggttcgcttg 480
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 aacaatggtc aactgaaact tatccacaga tctgactct gggaagcgtg ccagagtccg 780
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<210> 17114
 <211> 525
 <212> DNA

<213> Aspergillus nidulans

<400> 17114

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gtacacaaca ctacattgg aaccgcaag aaacagaccc gtgtccgtga tgtttagact 180
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gtttggtttg gtggatggat tccggtttgg atttagcttg atgatagtta cctggttaaa 480
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<210> 17115

<211> 171

<212> DNA

<213> Aspergillus nidulans

<400> 17115

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catagacatg ggatgggaga agtatagaga tctttaatgc tgtcatgttt gttttaacaa 120
gggctttctt cgcgatatca tgaatatacc acgcaaccat gcatccacaa c 171

<210> 17116

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 17116

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caaccgcaga cgaaacaat tggcactgcg ctccactcca tactcccgaa tttattcccc 180
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attcggatga tgggggtgatc cgcttcagat tcattgggttc tcggctctca gaactttttt 360
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gggaccggtg tctcccatat tctgtagatt gatactgata gtagatatct attgaacaca 480
aactgagaat cagtataagt 500

<210> 17117
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17117

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gatgacgacg cggtcgacga ctttctgctc aaccgtgcaa aaacgagaaa agcgcttgaa 300
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atactattaa tgactgttca 500

<210> 17118
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17118

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ttcctcgggc acggattttc tttggggtac ctcgctcgga atatcatcgt ggtatatatt 180
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cctagatggg tttccagac ttgaatcgaa acgtcttgag tcttgctttt gcttttgtaa 360

tggctgttca gaagacaacc ctcaaaattc cattggggct ttgtgttgcg gatttgactt 420
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<210> 17119
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17119

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 caagctcatt ccgtatctcg ctcatgactg cgtcagtcac acggaagagg agctggcaca 180
 gcagacaaca gatatgggtg acacctgctg atacatgggt ggtgcagccc agagccctgg 240
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 cattaccggg tatacgccca agcgaccagc tgatggatgg atggagctag cgcacgcgc 480
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 ggtaagatgg gtgcgttggc gcggcgctga gggggcctgg gatgagtttc ctgataagcc 780
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<210> 17120
 <211> 507
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17120

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 cgtttcacgg caccgaaggt gatatcgcaa ttattgaaga attcagatac ctggatgcac 180
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 ggttctagaa agttccgcaa tgctgtcgtc cgtgttgacc agctactgaa ggaaccgcca 420
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 ccgcggaaga ctccatctcc tcctatg 507

<210> 17121
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 17121

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 ctccggggcg aaaaggagca acgctcactg ggcacagtcg tccgggagat gggaatgact 180
 ggggtggaatc tgcacaatgc cggaaatgac gcccgctaca ccttgaggc tctggtagcc 240
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 catatctgtg tcgaaatggg tgattaagtg caccgttcac cattcagcac ctgtgtactg 360
 tcagggattc taaggaataa ggcggaattt gcagggtgtg ctgttctatg ctcggcaaga 420
 gctcgagaat aagggcagtt gcctgttacg tacaatgatc catatctgat cttagcatta 480
 ccaaacggat aaattcaccg 500

<210> 17122
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17122

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ttgatccttt tgacaaatgc ccattcatca ctaaccgcat gtcagcgagg aacaagcaaa 180
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<210> 17123
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17123
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 tcgcttcta cgtccggcta ctgctttact ttgacaagct gcacggggct gaagacgttc 240
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 ttctttatgt atctgtcccc aaagaaagt accccttttt gggttgaatt ttccaaggcg 480
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ccacgcccc aagagggtcg acttgatcat ctcatcgaat tccttactac ctctgtatct 660
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 ccctcgattt tgattttgga ggcttcacaa gcgactagca tctgcatcca tgtctcccat 780
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<210> 17124
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17124

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<210> 17125
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17125

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<210> 17126

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 17126

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aattataaac aaacaatatc ctacagccac aatcggtcgg caaatagacc cacggaaaga 180
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tcctagagat agcgatggga atcatacaac gcgctttgaa gatgacagga catttactga 480
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<210> 17127
<211> 495
<212> DNA
<213> Aspergillus nidulans

<400> 17127

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<210> 17128
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17128

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atcaagggca agtccccga ggaaatccgc aagactttca acatccagaa cgacttcacc 180
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<210> 17129
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 17130
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17130

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<210> 17131
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17131

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tcgggtatgg gtatggatgc agatttgcaa ctgacagggt ggcttggtca ggtaagaggt  180
atttaagtca ttagtctcag atctgcctgt ggcagaccac gagcagggt aagacttcga  240
gtctgtgact caatcggttt cctattgatc aatatacctc ttactgtgtg cccatcaact  300
  
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ccatttatcc ctccgggtga gggatatagg gacgggaatc agatgctgga gggctgtgcc 420
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<210> 17132
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17132

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<210> 17133
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17133

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<210> 17134
 <211> 535
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17134

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<210> 17135
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17135

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<210> 17136
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17136

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 tggagaggga ctcgagttcc tcaaaggccg cgaactcaaa gcgcccgcg taattgaaaa 420
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<210> 17137
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17137

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gattgaacaa cctcacctca ccttacaac ctttctacaa ccaaggaaca agaatcaaaa 180
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<210> 17138
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17138

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<210> 17139
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17139

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<210> 17140
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17140

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<210> 17141

<211> 736

<212> DNA

<213> *Aspergillus nidulans*

<400> 17141

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gattggttct tcctcagccg gactcctgtg gaaattggcc gccgctgtac gacgctcctc 180
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 gcctggagtg tttgttctgg tcctgggtcc gtctggatg gtggtttgcg ttggcttggt 660
 attatgaata tcggttgcgg cgttgactac ggtagaaag tcaactggcta cttaaatcta 720
 cttattttca gttctt 736

<210> 17142
 <211> 743
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17142

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<210> 17143
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17143

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<210> 17144
<211> 133
<212> DNA
<213> *Aspergillus nidulans*

<400> 17144

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tcaatctgtt cac 133

<210> 17145
<211> 610
<212> DNA
<213> *Aspergillus nidulans*

<400> 17145

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<210> 17146
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17146
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<210> 17147
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17147

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 <211> 737
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17148

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<210> 17149
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17149

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 ccggaaatca cgtatgtcca atgtacctat catgttatc ctgggtcatc tgctaataat 360
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 caaggaggct gttaccacg gatttgccag tgaaaaggac ttccagattg ctgccaatgg 720
 cgtaagatg tctagtaacg gtgatcttgt gcctgcggag aacccgcag agtccgaggt 780
 cctcaggtt ggcgtctacg gctccaacaa accagctcct ctagagatgg aagagcctcc 840
 caaggtcaag 850

<210> 17150
 <211> 583
 <212> DNA
 <213> Aspergillus nidulans

<400> 17150

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tgccgccctc gggtaagcac tccatgtcta ttcaagtctt tttttttctc gttgcaacat 120
aggaccctgc taacctttca atagtctctg tgtctctggt tagttatgcc agcctcgttt 180
catcttccct cgcagctgac atcccagata ccatggccgt gtcctgcggc gccaaggaa 240
gtccaaggg .cgtacgatgc gttgccatca accagccctg cccagcggg ttcgggcctg 300
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gtcagggcgg cgttcacttt tgtacggaaa ctggagaatg cgggtgggtaa attagttaag 420
aggttcgtgc gtatcgtcac gatttggcct aggccacgac cgggtgtggt tcgacgcgag 480
attgcgattt ctcttggggg gtaggtagag gtagtgcgaa taggtcatgc ctgttaagtc 540
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<210> 17151

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 17151

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gcagctgagc gaggttgagc tctcctcgga cgctttcgta agtccaccaa caatgtcttc 180
atgggtctctt actcactttc catccccag tttcccttca tcgacaacgt tttccgcgcc 240
gcccgtcttg gtgtcaagta cattgctgct cccagcggta gccaaaatga cggtcctgtc 300
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cactaaactc tgtgtccggt caggtcacat ttctagactg tagtagcaag gtagttcacg 420
tacagaaaag gaataccac ggctttaaat accttgcctt acctttatag gacatgtttg 480
taacgatttt attgtttcga 500

<210> 17152

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 17152

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 tccgtagtaa gctggctgcc ggtattcttt gtggtgtggg atgaaatcta catgccccct 180
 tggtttcaag gtgctctacc ttggttccgc cagcgggtaca tccgtcagtc acgtcgctga 240
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 gcctgaccag gcccgattg tcggcctgaa cgccacatg ttcctcaagt ctggcggtgg 480
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 cgcccgcgag gtccagaaga tgagagatga gaagatcaag cccaaggagc agctgacttt 600
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 gccaaaagca gggtccttta taacggtttt tcttttctc tctcatgtct taatcttgtg 720
 ctctgtcctg gcgtcgagtg tgctacgatt tttcttgatc tgtttcgctt tttgttcaat 780
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<210> 17153

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 17153

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 ccgcagaaca aatccaagac atgtttcttc aaatagataa agagcatggc cagcgccccg 180
 atatccttgt ctcaaagtct ggatacggaa aacgcgtccc ccaagtttgg gacatcacat 240
 tggaggaatt tgactacact ataaacgtca accttcgcgc ctcttcatc ctgggtcaaag 300
 gcgatgatag aacatatgcg caatcaacgc tggggccgaa tcatcttcat gtcttagata 360
 gctgcttctg gtggggggat aactggctgc cgtatgtgct ttgtttctcc tgccttcaat 420

tttgaatcaa cgactaagat cagtacgtgc agactacgcg gcctccaaag gcggcatgac 480
 aggcgatgatg aagaatctct ccacacgtct tgcagagttc aatatcagcg tcaacgacgt 540
 cgcgccccgcc atgatcgggg acaccggtat gattcctaata gctcaggcga tcccagaagt 600
 tgcggcaggt attcccatag gaaggctggg tgtcccggag gaggtggcta atgtggtaac 660
 tatgcttgct acaacgggggt atatgacggg acaaagtttg ttgttggtg gaggggtgaa 720
 atagctgtag ctaagtctct tacttcggcg cttgggacca cccagggtgta ttggtacccc 780
 cctgagacaa taagtactca gctgtcctcc tagtatgatg tggcgataat gaatagacag 840
 tattgttgaa 850

<210> 17154
 <211> 538
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17154
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 cgacaaagag actgctgggc tcagcgattc tgatcaatca gccacttttc tttttcctaa 120
 atggattcca ctgtaatttc tttttctctg ctttgttggg ttgcgatgct aacgatcgaa 180
 aaatttcctt tcggaccgag gaacctgcat gggatattat ctgaccacaa aacgagttaa 240
 catacaggta gacaagacca ttgtgagcag attacgagtc ttccgttctt tcatcttttc 300
 gtttttccaa ttttcctctt tgcattctacc tcaatttatg gaatggaggc tctagaagtt 360
 tgaactcagg aaagctgggtc agcgactct atgcagaagg aagcaataaa gctgctcaac 420
 agcagtggag gatgcttggg ccggatcaat cattgtaagg gattggcatg gtatcgggtcc 480
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<210> 17155
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17155
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 tctccaaccc ttccgcaaca aaggttgtcg tgactatgga gcataccgat aagaagggca 120

accccaagat cgtcaaacag tgcgaattcc ctctgacggg caggacttgc gttagccgca 180
 tcatcactga actctgcgtg ttcgatgtcg actttgtcaa cggattgact cttattgagt 240
 tagcggatgg tgtcacagtt gatgaggtcc gggctaagac tgaggcgccg ttcaagggtg 300
 ctgatgatct gaagcctatg ctgtgatagg ggtatcggca tgacatcttt gttgttattt 360
 tttttattct gcatccaatc agcggcgtag ctttgtgatt tcaagcgttg acagtgcctt 420
 tggaccttgt ttgtacatag tggttgacga caggaatacc ttatcatggg atatctagta 480
 aacatataac catacatata 500

<210> 17156
 <211> 297
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17156
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 ttatcctgtc atttctggcg tgcattggtgc atggtaaaaa aggaatggag cacagcacia 120
 aacttgaatt gatcgagccg gttttggagt tcttggatgg attgaatttg gattggtgga 180
 caaatcatt ggactggttg cattcatatt gcatttacat ttgcattcac cgatcttgcc 240
 tgtatctagc gttagcctac aaatagctat agcaattacc acatattact tgaacca 297

<210> 17157
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17157
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 atggtctgat acaggctcgt ctggcttcta cactgcctg gatcgctagt ccggctgaga 120
 cgggtgcagtt gttggatgag ttggacacga tccagaaagt tctagcgtga gagaacttac 180
 attttggcat gggttttatt cggcgccctac ttcggaagag attctgtaat cttcgcttgt 240
 gatctgactc ggccatgtcc gggttttggt ttcggtttct ttcagcgtct tgcattcat 300
 ttgatatggg taggtatttc ttgttataat ctgctgcggc cgattcttcc atttccactc 360
 gacgcagttt ccttgaatc aactgccgcg gccgcttcct gccattaatg gaattagcta 420

gagcctgtta cggaccatga tctgtgcggt ttagctcaga ttaggtaga attgccaata 480
 ggactcgatt aacactataa 500

<210> 17158
 <211> 605
 <212> DNA
 <213> Aspergillus nidulans

<400> 17158

accaaaccat atcaatattt aaatagatcc actacaatcc aaccaaaccc gaaaatgaag 60
 ctctctgccc ttctctctct ttcaacagcc gccctggccc tcgccaaacc aaccccgccc 120
 cccaagtgtg gagtgtgcaa tcctatctcc ggggtcaacg gctgcgacat cacaacctcg 180
 tgcatacaaca cggaacccg cttccactgt gcctgccgtg ctggctacaa ggcttctaag 240
 aagaacaatg acgtgaccaa gcagttccgc ctgccgatgc cggattatga gttcttggtg 300
 tttagcctg agtataccac ctgtgataca ctctgcgata acccgatgg aaatagcaag 360
 gatttgtgta aggaggtacc ggtatatgat aagtgtgctg ttaagggttc ttcgttaggt 420
 ttgggaagtg caagaaagg tgggcggaga aggtgattgt gacgagtgg tgttgataag 480
 acttgaatgc cttatatatg tgagatgatg gaacgattta cggatcattc aaagcttggt 540
 aatattgatt ggtttagtgg atagcttccc ctgaaaatt tcatgattga ttcaacgggc 600
 accac 605

<210> 17159
 <211> 654
 <212> DNA
 <213> Aspergillus nidulans

<400> 17159

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 ttgggcacct atccaatctg cctgactata tcccagcgat aagcagagac tgtacggaca 120
 tccgcatgtt aaatcacaaa gctgatttgc ccgtgttaag ggtccagcgg tcggagtccg 180
 tategtgaat gaccttcctc tcggcttcca acttgcttag cacctgtacg acccatttg 240
 cagcggggag atggaggttt tcaggaacat ctgtgtagat gatcttcact atctcgagag 300
 gagtccacca cgacttccgc tccggagagc gctcgtgata gccgacgtct agttttccgt 360

accgcagcac gcggatcacc tcgtcctccc gctgctgtcg gtgccgtata tactctgcga 420
tctttgctgt agcattctcg acaactgctc catgaccggg gtatcctcga cctgagaccc 480
gattttgcat tcgcttcagg ctatcgagggt aggtcttttag gtcctcaaac actgctgttc 540
catggcctag aacatctata tattaccgaa tcagcgcctt ggatgtaaga atcatcacca 600
aggagtatga ccactcacta tcacccgtga aaatggcatt ctcttcctca aata 654

<210> 17160
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17160

ctgtgggtaa gagaaaatca agcagagcag atccctggct ttaattaaga tccagagaat 60
aaccctcttt gtgctgaagg caaagggcat tctccacgag gacaagtccg acaagacgaa 120
cttttccttt tcccttcacc tggctcctgt gcttagaaaa taattttacc tcacaacttc 180
ccccatctc gacctctccc gacttcacc ctctcactcc tggttatcct ttcctcatcg 240
tcagtttttt ttatgtcaca accttcttgc ccgccggttc tctaactgtc acttgcacgt 300
ccccgttcct cagccgccag ccgccggttt ccagcgtctg aatcatcgct ccaaccccg 360
cggggcagaa attccttttt ttttggccag tcggctcctaa gcgtattgtt tgtcgcggcc 420
ggggtcttgg tctcgtctga tctgagcaaa gcacaccga gtcaccctc ttttttcatt 480
tataatagac tctgatcaca 500

<210> 17161
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17161

aaagcccggc aaagcattgt tgaagattcc gatgctccta aacgtgtcaa agatgctgct 60
cgcgacgacg ctacgaggc ggacaaacga gaacgacgtg cgtcggccgc tgggtctg 120
catcagaccg gagcgctca tgatgacctg gaatctgtaa gcagtggcag cgatgacgag 180
ccagactctg aagaaggacc tggccccaac gtcgccgaaa cattggcacg tattgccgca 240
ggaactgcta cggaaccgc cgccgatgag cgacgtaaag atctcagccc aggacatcg 300

tcccgcgaac ggagccctcg ttcgcggcga gattcggatg acgacggcac cgaacgagtg 360
ccgccatcca agctccgcga acgcgctggc ctgcgccttc cgcaacaagc gctcgacctg 420
gacgacaccg gtgaaacacc tgcggaacgt cgacgtcgtc ttgccgccct tggtagtac 480
tcggactcag aagacgatgt ggattcggat gctgttagtg agggtagga cgaccacaac 540
aaccggaaag gtcttgaaa aatctcattc gcagacggga cgaaccttga agcgggcagc 600
acttacgacc gtgagggcaa cggcctgggt tcgtcgcgga tgcactcgcg ccgcagcagg 660
tcgaggatat cgtggggcgg cgaaaaaggg cgcgagtagt ccaaaattaa ctgcaacaag 720
agcagggtgt attctctttt aaaatatctg tttagtttcc aacgtgggtg ctattgcac 780
agtacatatt ctagacactg acaagttact gtctatagat acttatcatt gctaatacata 840
cgaacgtttc 850

<210> 17162
<211> 271
<212> DNA
<213> Aspergillus nidulans

<400> 17162
gcacgacggg tctttatagc tctgggcgtc atccagtcgg aactgctgct cttttctatt 60
ccgatgtata ttttcggcaa gcgggctcgc atgtggactg tgcgcaagaa attgatggag 120
agattctaatt gattgccttt ggataaggcg taacggttgt tcttgatgc ataagatatg 180
tttgggtgta cataattcca tgtttcagcc tctagagtct agattcatga taaatgctac 240
gagacatgaa attcactagg gaaaacagct a 271

<210> 17163
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17163
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tagaagaacg gccgcttatt ctctttaagc agctagaaaa ggaagggcga aagccgatgt 120
ttatgctgcy gaaacaacaa caggcgcttg aaagtaccac tgcatatcca cccagcgggg 180
gctcagcgcc gaacagtgtt ggctttgagc cgcgacaagc gcagatcaac cttcccggcg 240

gagttttata aagggcatgcg acttggatga agcgacttct tttttttttc ttgagatacc 300
 cctccattcg aggccatttc gacccccctt ttcacttcga cattcttccg attctccgta 360
 tttagctttc aagaccgttt aattcgaatt tgcgcgggtg cctggcggtg ggattggata 420
 gggaaaataa tgaaacaaac cattagcgta gctgttattt tagatcctta cgatttcaaa 480
 gacttttctt gagcagctgg 500

<210> 17164
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17164
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 agcctgagcc tgcttcctac ttttgaatca atacttctcg ctaccaatat tgactttcat 120
 attcactcct tcgttgccct tttctgtagc ttctcggtag cgcttactgt atttgactct 180
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 ggcgccatgg ccagacagc gatatttctc gacctacaac atctggaaca gataccgcag 300
 aatcacctga aactcgtcgc gacccaatg gcaagcggag gatgagctcg gcgagtgaga 360
 ttccccaggg gggaccacat gccgacgcct tggatctcgc aggcacgga gatggagttt 420
 tagaatgtcg ggtagacact ccaataaagg agaatgatgg taaaaggat gcctacatat 480
 cgtacctggt tacgacgcat 500

<210> 17165
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17165
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 tgctgtcaac actctccttc agacgatgtc tggctcccag acagaacggg acctttgtcc 120
 tgaggacttg attgaagcga ttccgaacct acttaatcag gtcttcgaca actgcataat 180
 accagccgtt gaagcccggc ccggaggaat ggacgggaaa tttttcgagc tctgttctct 240
 tcaaaggcgt gccattggtg gagtaattca gcaaagcaag aaggttctca gcctttttgc 300

tggatttcta gcacggatcg atgtttccga aggagcaatt accgcaaccg agttttttgc 360
 tgccaaattg atattcggtg agaattcgca cacggaaaag gactcggcgg ttggtagtca 420
 aaaatatgaa tctgttcggc gcggggcaat ggacattctc gcaaagatat tttcgagata 480
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 tactcggcaa agtgccaggc agttcaagct tgccgatggc aaaaatatcc agttgctaac 600
 cgccctggtc atgcagctcg tgcagaccac tgccttagac actccttctc acaggtcggc 660
 aaagactaag cgtaagattg tgaagtccga aggcgaggac gatggtaccg atgacgccga 720
 cgaaactatt gatgatggtg ataatgatca gtccgatgta tcattagcgc gtttggtcgc 780
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<210> 17166
 <211> 828
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17166

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 ttccgctaga ctctcccatc cgcacaaccg caatccacga gctcctcccg gacatccgcg 120
 ttcccagctc acctcaccaa ccacaccggt acaaccgggt aacctgtgca ccgattgacg 180
 cagatgacaa gcgcgtgaga tccgagatcg accaactgcg gaaggacttt ccaacaccag 240
 atgctgcgct gcaggcccag gaacaggctg cgcgcgagtt gagacagaaa ctagacgatg 300
 cggagaagaa gcgcgaggag gtgcagaggg ctatggataa gaagatcaag gagaggaata 360
 cggagttgaa ggtttttagag aagtttcagg atgggaaggg gccagcgctt gctgctcctt 420
 aatcggagtt cttctcttgc ttggaatatg gcaaaaaatc gcttccaggg gcgtccaatg 480
 gcatcttaca ggaagctgcg atactggcga gaccgcttat agtgcttggt atgggagacc 540
 atgtctgcat cttggcgatg gcgacctgt tagcttccgg cttgggatat cggagtgact 600
 cggctctcct ggaaatcgat actcgcagga acgcactgct ggacgatgaa gtgccgcgta 660
 agagcaactc ctttgagcga tttcaatggt gttcacacc aaggatactc cggagatttc 720
 gattacgaaa cgtcaatata ggaaaagacc gtccgatgca taaaatcccc cggttccttc 780

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828

<210> 17167
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17167

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ttcacacccg acgggaaggt gacatccgaa gccgatcagt gacctcttga gccgggccag 180
tcttcgaatg cgacttagac tggatcctt cgatactttg ctgtaggtct ttatgaacac 240
tccagtgatc aagcgttaca agatccgatg gcatgagtca cagcatgact cattccgcga 300
gtttctgcta gtatggactg gtataaatga gcggactcca ataatcgagt ctccgcacac 360
tgtgaaactc accatcatgg cctccaaatc tccgccacca actgcgtccg ctaaacagtt 420
ttactcgaca tcatcgccgt tcgaggaacg aatcgggtat taccgagccg tccggcgccg 480
ccagcatatc ttctgtctcg gcaccacttc agtcgacccc gcatctcccg cccatgcccc 540
gcaaatcctt ttcccaaacg acgctcgcca acaaacgcgc gtggcgctcc aggaaatcat 600
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cgtcagccaa cctgaacact gcaccgccgt gggccagggt ttcacggaaa cctcgggtcg 720
ggaaagccga ccaggtgttg gagcagcggc gacaatgctg gtggtgcggg atggatttgt 780
ggacgaaaga atgctggtgg agattgaagt ggatgccatg ttggatgata ctgagagtga 840
aacgatacgc 850

<210> 17168
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17168

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ccgccagcac cagatccagg cgtcatttga gatttgcacg acaaacatg gcgagacaac 120
cttctctaga ttccgaacgt cccatcatga cccagtcggt aagtccactt tcactttcga 180

gegtctccat taacctgtaa tctaaccag tactatagaa ccgcgcctcg aaacggttct 240
 ccaccgtcag cgggagccct tcgattgcct cagaacttac caccggaagc ctccctagcg 300
 gcgaccccag atacacagaa tacaacaacc tacgcgaggg gctgaaccgc ctggaaaaca 360
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 aatattcttt 850

<210> 17169
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17169
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 atagacaagg ctccgccctt tggatatgtc agcccttccg agggctcgag aagctgggtc 180
 tagcgggaaa tctcaagga gaatcctatc ttgatgatgg tccgaaattg ctgagcatga 240
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<210> 17170
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17170

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<210> 17171
 <211> 82
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17171

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tcctcccgcg tactccacat gg 82

<210> 17172
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 17172

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gatacctgtg gtaattctag agctaataca tgctaaaaac cccgacttcg ggaggggtgt 180
atttattaga taaaaaacca atgcccctcg gggctccttg gtgattcata ataacttaac 240
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tggtaggata gtggcctacc atgggtggcaa cgggtaacgg ggaattaggg ttcgattccg 360
gagagggagc ctgagaaaacg gctaccacat ccaaggaagg cagcaggcgc gcaaattacc 420
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taattggaat gagaacaatt 500

<210> 17173
<211> 850
<212> DNA
<213> Aspergillus nidulans
<400> 17173

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<210> 17174
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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 aaggcgttgt cttcaccatc atccccggat cgaaggagct agatcagctc attgattcgt 180
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<210> 17175
 <211> 128
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17175

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<210> 17176
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17176

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 atggaatgca tcatgtacac cagagtcctc cgtcctctct gcggtagagt gttgacggct 180
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 ctaatcactc ctagtccgct gtgccgagcg ccgctgatct gacttcgccg tagcggcgcg 660
 catggctgag atccgggcaa atcggaata tggagacgat ctgtattgga tttcacaatt 720
 atatgatgtt gagtgggcgc ctggaccgac tgtttagatc ttgagaatag tacctagtat 780
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<210> 17177
 <211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 17177

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caacaggggc ctgggcaagc acaccgggaa ccaaacaac tccgcgaca cgaccgagat  180
ttctcttttt gctgcagcca cagaagcctt ttcaaagca aacaccaatt gtaccatcca  240
ggaatctctg gaccgcattc gccctatcgt agcattggcg aagaccaaag acattcgagt  300
tcgcgggtat gtctccgttg ccctaggctg tccgtacgaa ggtccagatg ttccgccgtc  360
aaaggtggct gatatcacgg caaccttgct cgagatggga gcagacgaag tatcagtagc  420
cgacactacg ggcatgggta ctgcaccgcg cacgatggag cttcttcagg ctctgaaggc  480
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ggtgaacact atcgtaggct tagagcatgg ggttcgcatt ttgacagta gtgttggcgg  600
gcttgggtggc tgtccttatt caaaaggagc gacaggcaat gtctcgacag aagatctcgt  660
ccatacaatt catggtctcg ggatgcatac aggtattgac ctggaggaga tgtcgaggat  720
tgggcaatgg atcagtgatg agctaggctg gccgaatgaa agcagggctg gcaaggcgac  780
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<210> 17178
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17178

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caccactgct gccgccgta gccatcgac cgtcacctcg ccaactagtc ctggcgagc  180
gtccacagcc acagccgctc ctgttcagcc tccgcatac gagaaggaat ccggtgcggg  240
aactccacca gctgttagcc gcaccaacac cactgcaaca acagccagca ctgctgagaa  300
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<210> 17179
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17179

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 gactttcgca cggccaaacg tttgcatcca tttccgtact ccaactgggg tcggtggata 180
 tatgtaggga gcaagtagtc tggcggccga aaggcagccg gacgaacctc cgtctacatc 240
 cttccatact tggcaggcta cctgtccgag ctgatggtct tgaacccccg cggttaggct 300
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<210> 17180
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17180

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 aaaacaaat acgacttggg tggatgaagtc agatactga acaagcaa atcatactcag 420

catacaaaat cagtcactgg tctggcaatt gacagtttga atcggacagt tctcagctgt 480
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<210> 17181
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

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 taagaacttt gctttccggg gattgtgatc ttctgtcggc ccagtcattc catacctccg 240
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<210> 17182
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17182

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gtccgttgcc catttatttt caggagattt ataggatttg tgtattttgt gccgactttc 240
tggattcact gcaggatttg aaatactccc acagccatga aatttggacg caatttgccc 300
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<210> 17183
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17183

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<210> 17184
<211> 552
<212> DNA
<213> Aspergillus nidulans
<400> 17184

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<210> 17185
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 17185

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<210> 17186
<211> 833
<212> DNA
<213> Aspergillus nidulans

<400> 17186

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<210> 17187
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17187

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 tctatcttat ctccgtcctg agtatcttcc tgccaatcct tttctttctt tgagtgtaat 780
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 ttttgccttt 850

<210> 17188
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17188

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 gccaaaggcag ccgcatag ctgccttttt gatgccggtt acgaacagga atggtttgag 180
 acctacgaga gcagagcaag tcagacggat aaagaaacta gcgtctcaag acttgcaagc 240
 gaagcgggtc tgatggttta tgccaaggct cccgatggaa caatcttccg agtccggatc 300
 agaaacacgc ccaatgatgc tggattgacg agtgacctcc cagatggccg agtctctgtg 360
 ccaactgtact acgttatcca ggccagcgtg gactacagcg gtgatgaagg gactctgatg 420
 cgagatatcg atgttcagca tacctccacc tcatacgaaa aggcaaggga gcttgcgagt 480

aaggtgttgc tctctcctgc ggatggaatc acaaaggaaa gctttgcgga gtatagcgag 540
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 gactatggga ccaattatct cgtgtctgtc gtcaaaaccc aggagctgaa agctgtgagt 660
 atagctgagg ccgcaatgcg gattcgtaa gaaccagcc aatgcctgta tggggcttgt 720
 cgtgttcata ttatcttctc gattgtacta tgtactgtgt aattgtgttg ttttagggcc 780
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<210> 17189
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17189
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 gttcgattcc ggagagggag cctgagaaac ggctaccaca tccaaggaag gcagcaggcg 180
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<210> 17190
 <211> 757
 <212> DNA
 <213> Aspergillus nidulans

<400> 17190
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 ggccaatgct ggcctcatcc tcaccttttg ctctgtgaac agccactaac ttaacatcaa 180
 ctatagcaat ccgctaaggt cggctctgct gtctcccttg agatcgctgg cgaggaagtc 240

atggagcaga cagagaaggc tgacccctcg acaatgggtca cccctccctt ctgattgaat 300
 caccggttcc accaatctcg ccgggagtaa tcaggcccat ctgagtccta ggtggaagga 360
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 tattcctccg tccatgtgca tctttggaaa atgggtgtaat ccctgttcat gcagtttaat 480
 aacgggttgt tggtcagtga aggcagtcgc ttggcgccac ggtaccaatt ttgtatagat 540
 ccctcttctt tctcctgatt ttctcgtttc gtgttattgt ttatggcttc atctatgacc 600
 ggcgacccgt ttacttggtta ttcttattat cccttttgat gacactcttg gttgggtcaat 660
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 catagatgga aaatgtaaaa cacgtttatt atcaagg 757

<210> 17191
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17191
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 tttgccgagt cacctatcag aaaagcctac acgcaagaga cttcacctca tcgacctgtc 240
 ctgaaccgca cctcgacatt tgagggctct tcaccattgc gacaggtcca tgagcatccg 300
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 cggcgggact gggagttatg taggacgggg atagggcttg tacagttgaa ctgcgttgtg 720
 gctatctttt ctccgcaatc acctcgcggg cgagcttttg aaggcggatc attgcgggct 780
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tgctgtcgtt

850

<210> 17192
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17192

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cgggtgcggat gcggtgctgg ctcatctgta aaggactggg gataaagggtg tttagcttgg 240
ccgaatgaag atatattgag actgcaatgc aatgccgagg ttctgcctat tatcacatac 300
tggctgcgac cagcataaga gctgtctgct tcggctcaga cttaccctgt ttttgagtgc 360
gatgaggaat gcgtcgtcaa gtcgggtctt gaagggagag aggtgatact tctggctagc 420
tagagtaaca actaccacaa gccagccgga ggtatgcctg ttttctaata gattttcaca 480
tactctcgat aagtgcaga 500

<210> 17193
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17193

ccccatttgt cgtctacttg aagaccctga ggatcctgcc ctccctcctc agactgtcga 60
caatcttgaa gggcgccggc gaaagttega tctcatcctc tcacaccttg tcatgcacca 120
cgtccccgac ctcaagtcac tcttgagtac attgcgaggg tgtttgacgc ctggcgggag 180
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gaagctggag ggcgttgaga ggcattggg cctgcgcgg tggtatggaga acctgatgaa 300
agaggtcggg tttcaggacg tcaaggtttc cgtgggatgg acgttgacaa agaaggctga 360
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gtcgagcccg tagtgccgct atatccgctg ctcgatcatag tatatatagt ggatatatgg 480
gggtcaaatt tgcggcgcta 500

<210> 17194
 <211> 252
 <212> DNA
 <213> Aspergillus nidulans

<400> 17194
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 tattctacaa tattggttat gagcctgggc tgctatgtct agcctaacca gcaggcttag 120
 taccttgggg gattatataa agcctaatta ctttgcccaa tccagcagga gattgaaact 180
 gtacgcgatg tgttgaccc tcatcttggtg aagggtggcca ggccctgtaca acctgcctat 240
 ctctccctga tt 252

<210> 17195
 <211> 88
 <212> DNA
 <213> Aspergillus nidulans

<400> 17195
 aggtgccgtg tcgggggtctg gattactggc gcatgtcggg ataatgggtct gatttccgag 60
 ttgaaaatac aaaagcttct agccttca 88

<210> 17196
 <211> 753
 <212> DNA
 <213> Aspergillus nidulans

<400> 17196
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 atacctaacg atccccgaatt tcgccaacat gtggaaggaa ttgtcaaaga ttccctatct 120
 tcgaggagtt gccactcttc gcaaacccca gcggactttc gctttcaatt cattagcaaa 180
 gacccaatcc caggcagctc gcaggacttt cattaccaca cctttacgtc aatcccagcc 240
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 aacacagtca gccacgacgg atgagggttg tactcgtgac accgcgtttg atccgtccga 360
 gacctcaccg gaaagcgaac taaatgcgtc acaaaaagag acaacaaga aaggggattc 420
 gcgtgatcca ctgactgtca gtcccgaga taagaatgtt agcgggacac gggatccgat 480

ggaggggggt gcggcgaaga acgcgataa ggaagatggt gcgcataagca gcgggggggtc 540
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 aagtttgaca cttgaatgta actaagaatt gttttgttga agtggagcgc atagtaggga 660
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<210> 17197
 <211> 535
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17197

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 cgtcacgaga ctggtaacat cgacaagttc tcatacgggtg ttgctgaccg tgggtggctcc 120
 atccgaattc cccggcaagt cgccaaggat ggtaagggtt acttcgaaga ccgccgcccc 180
 gcttccaacg cggaccctta ccagattact ggtatcattg ctgaaactgt aagtttttct 240
 aatcgatgat tttttgaatc atgctaacca ttccagctct gcggtggtct gtaaatttgt 300
 ctaaattttc gaaattagcg ctcgtatacc cgccgggtca gggtcgagaa caaaagagca 360
 gctaggccgt ttcagttata gaattctctt gtccttcttt ctttccggtg gagttggttt 420
 ctgatgccac ggcttgctt ttgctttctt ttaaccctgc tggttataca tgcaaattct 480
 ttcatttgtt aatgggagtt atgtgtcacg tatagcatac atccgacatg gatcg 535

<210> 17198
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17198

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 atgctcgtag gtcgcctcca acctattcct acctgaacag ccggactaac gcagctcgaa 180
 gagtcgaatg gcatcatcat gaggggtcaa gccttcctgc caacaaaaa acccatgttg 240
 caactgtccg cggcccaatc cgcaagatcc tgcttggcga gcgcgtcgcc ctaaacaatcc 300

tcgcccgggt gctcggaatt gcaacaaaga cctcatccct cctacaaata cttcgcttcc 360
caggaatgaa aaggaactct agctgggaca cgaaagacaa cgccgggggt cagggttggt 420
gagaagtacg gcattcttgt tggaggagcg gacccgcata gacatgattt gagtagtatg 480
acaatgctca aggataacca tgtctgggct tgtgcgaata acgcttcctc atcgacggca 540
acgacggctg caaacgggga gcaggatatt gccgctgcaa tcccgaaggc tgttcaggct 600
gccaaaggctg tcgggggggt cgcgacaaag gtcgaggttg aggttaggag tttggatgag 660
gcaaatgcgg cgattgaggc aggtgccgat gtggttatgc tggataactt cacgtcggaa 720
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tgtgatgatg 850

<210> 17199
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17199
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actcttaagt attggtattc aatgcgcaga atatcattgt agcgagagcc tgtcataaat 360
tagcctacat tcgcccacaa acctaggaac cccactctga atgtcgtgga taticgtctt 420
ccatgctgca agctgggcct tccactgctc tagtgatgcg aaattcatat gctggctgcc 480
agcactctta gccgcggtga 500

<210> 17200
<211> 105
<212> DNA
<213> Aspergillus nidulans

<400> 17200

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tctattcatt cctgactagt gcaaattccat tgtcaagcat ttata 105

<210> 17201
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 17201
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tgtacgagga cgatgatgaa gtggaaggtg aagcaggcgg cgcggtcgat gaagacgacg 120
acgatgacca ccatcatcac caccaacagg tgtactcgag tcatatcccc gataattctc 180
caagccggaa acgcgatcgt aagcgcaacc actacggtaa agactctttt cctcgccaaa 240
catgaggaac tgacctattc tcattcgaga gacatgctaa tacaacggga tacagatgac 300
attgatagct ggcgatggcg ccgcagagtc gagcaggcct tgacaaaaat gacggccgag 360
atcgccgccg cccgcgagca gatggaagca cgcaccctgg cagcccgtcg aagatcaggc 420
gtctgggctt ggcttcggtg gctcgtatgg gtcaccctcc gacagattat ctgggatctg 480
gccctcctcg gcatgttatt 500

<210> 17202
<211> 405
<212> DNA
<213> *Aspergillus nidulans*

<400> 17202
tgggatatca agggcctccc tgatgcgttt gacggcaagg gcagatacaa gggttacaaa 60
gttacgacca gggacgagct caccaagctg ttcgctagcg aagagttctc ctccgctcca 120
tgcttgagg tgagtctttg tgacctact cattacttat cagatgctaa ttttgagcag 180
ttggttgagg ttcatatgcc tcgtgaagac gtcgccgct cctcaaaaat cacagctgag 240
gccgctgcgt ctagaaacaa ataaggacca caggacaggc cggttctctt gttgtgatct 300
gagaaatttt catggcattt tcaaggattt gttaatcagt atagcatttc attagcatga 360
aactcctgat tgtggggata attaaacttc agttattgtc attga 405

<210> 17203
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17203

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aggtttaaac aactatttt ttgaaacggg agggcgctct ctcgcggcgt tgtaagggtg 360
cttcatttct ctgctttggt gatttcgttt ttgtttcatt ttgctccatg atctgacggg 420
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<210> 17204
 <211> 641
 <212> DNA
 <213> Aspergillus nidulans

<400> 17204

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gactggtcaa tccacttggt tgcattgcga agaagaacgg cttacaagac gggaaaggaa 180
agatcctcgt cgcaagctta tccaccagct cggacgtcac ccattagagg aagtagacga 240
tggttacact cgacctgggc ttggcctccg ctcttcggcc gtgtggacgc ggaaaatgtg 300
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ggatcaatcg cttatggcca agcgcggata atcctttatc tatgtgcttt gccaggacct 480
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gcaaagtacg agttatgtgc ctacacgcga aaccgaatca tgatcaagac caacattttac 600
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<210> 17205
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17205

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tggatgctcc ccggcggttc tcccacgaac cgcaaagtcg agattgttct cgtcagcatc  180
gtcagcatgc gcgcgaaaca gctttactcg gagcatatct actgggatca ggctagtgtt  240
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agtggtaggg ttgccgagag ctcggtgccg cagtcgcccc ttgtgcagtc tgaggcggag  480
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gatgccaca acagccatgt tgaagagcgg gacggagctg aaaacaagaa ggaccaggag  660
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ctcaggattt tatataccct tttaatgatg tctctgacac ttttctgaca tgagcttatg  780
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<210> 17206
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17206

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aagaaacaac gtcgatcctg caaacatcaa tcctgcagca cagggttcac agaagcagga  180
tccagtcgct aataagtcgg gcaaggggat gtggtatgat cgtaggtgtc acaatatggg  240
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gttttggtggt gtttgggggt caaaactgac ggaattaggt ccaaaatata ttagacatcc 300
gggcgacaga caccgcggcc aagatcaatg tcagaatgcg tgagctggca gagaaaaacg 360
ctcgtgaaac cagatcaatg tccattgtgt cactaatttc ggccatcttc ctcccgcca 420
tgtttcttgc cgtaggtacc gacgccctat ccgaggaagt caggctgaca ggacattaga 480
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gaaaaggaac accgaagctg tcatccccct gcgctctcca gcagatcgcg tctattcctt 720
tcccactctt tctggaaatc ttccagctgc tgttgaaacg acctagcggt ctgttccgct 780
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<210> 17207
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 17207

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aacgctcttt tagttatgcc ctttttcggt ttttaatgcc aggattcctt ctgtgtatcc 360
tacagctagc ctgcctgcgg gttatattaa tgaattttgt tcttttgccg aagctaaaac 420
catgcatttg cctattatat tatgttccag aggcccttac ggtaggaatg ctaagagcta 480
tgccatctca ggtaaggaga 500

<210> 17208
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17208

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ggagagtacc agaaggaaga gaagaagagc gataccggaa agatcttagc agcagggtgca 180
gcgggtctgg caattggagc cgttgggggt gctattctgg ggcattgagct tggatatgtct 240
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gacgacgggtg atgactgagg gcaggtttag ctacgcagat ccacggcatt tgaggactga 420
ggttatagta tttttacata ttctatctag aaatcctgta cccttctttt ttgcaaggca 480
aaatccactg gatctgaaaa 500

<210> 17209

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 17209

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aggttcaggc catctatggc gaagagatga cccagacttt ctccgggtggc cttgtctacg 180
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<210> 17210
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17210

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<210> 17211
 <211> 811
 <212> DNA
 <213> Aspergillus nidulans

<400> 17211

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<210> 17212
<211> 570
<212> DNA
<213> *Aspergillus nidulans*
<400> 17212

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<210> 17213
 <211> 419
 <212> DNA
 <213> Aspergillus nidulans

<400> 17213

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 ctccacgaat gatgccccca ttttaccatg catcggttct tattttccta tgtcaccggc 180
 acttgctgca tctgcatcgc cgcataatcg cattccattc caactgagac gtgtcagact 240
 gactcactct ttcatttgat gttttctcct gtcacaaact ggcgttttgg atgtttcatg 300
 cctatttacc tagttagcga ggagtttatg gcgttggttc caactatgca aggagtaaac 360
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<210> 17214
 <211> 840
 <212> DNA
 <213> Aspergillus nidulans

<400> 17214

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 caacagccga attcttcgcg gctaggtccg atttatctct gctcagttca taatatattg 180
 tgatcgtgga tgcaggcaaa tccatagcag tggatagaaga aaccctatag ccatcaccgt 240
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 gagatttggg agctatgaga gcaatccccg gcctgggtacc tacggttccg gcagttatgg 540
 ccctagtaac cacgcgaagg gctacggatt ctcaagtgtc ggagcacact gttattacgc 600
 ggaaactccg gcaggactag ggttcagtga cgatgctgtc agtagccata atagaggatc 660
 aggatatcgg aacggctggt cctacggaca tgattatagg ggccaaaggg gctccatgcc 720
 tatagatcgt gagcagcgga gcagttggtg agatgatgta ttgtgtttgt ctctattgtg 780

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<210> 17215
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 17215

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actaccgggg tgctcttctc ttctttgcag tgctgttgaa tgccttctcg agtgccttag 180
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gcactattgc ttctacctcc cgcttcgtat cccaagccct cgtgcccgc gctatgctaa 480
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aattegacgg tcggcaattc gaatgttggt tccattattc ccagtgggga tgagtacaac 660
aatgtgtcta tgcagtaccg catctgctca acagttggag cagagtcggg gtcaagaatt 720
gtggacggcg gacaatacct ggaactaagc tatcaatata ccaaaagtca cctatggagg 780
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<210> 17216
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 17216

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gcgtgatatc ttatatcctg tcccctctca cttcctcggt cttttatgac tagccatgaa 240
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<210> 17217
 <211> 620
 <212> DNA
 <213> Aspergillus nidulans

<400> 17217
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 atctcgtcgg cttcgagcgg gacctcagct tccagcagag aacaggacga cgagggtgac 180
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 gaataatttc gacctgcaaa ttagcatttc ttagtcgttt atccattctc tccggcttct 480
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<210> 17218
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17218
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gaccgtgtcc aggtcatcgc gcataagaca gtggacgtac atggctacta tgctgtgcaa 180
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<210> 17219
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17219

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gacattcgat gacgagtggg ttgatgaagt tgcccgcggt ctcaaagcgt gccgggtggt 120
cctctggtat ccctgtact ggcttgcta caaccaaagt cttaccaatc ttacctctca 180
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caaactacaa gctggataaa caggaagatg agctcaacac ccttgctcag tcgaagtatg 780
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atgttcatgt 850

<210> 17220
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 17220

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tgccaatgca ggcgccagcc atagcggcac ggaagaccgc cgaggaactg gacgaggatc 120
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ccttcagcct aaaacggcag gtttgtctgt gtcttgtgtt ttgggtgttt tggctgcgtt 720
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<210> 17221
<211> 646
<212> DNA
<213> *Aspergillus nidulans*

<400> 17221

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gcacttcaga aactttaaga ctctgagcat accgattgca ttcaaaatat tccaagaac 180
ccattgcgag cactcccagc ccaaagattc aacaatgtct tccaccaaca agtcctctcc 240
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ccagttccat gtcgctattt ttactttgat tgttttcaac aagccgggat tactggtcgg 600
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<210> 17222

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 17222

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<210> 17223
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17223

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tgttgtccca aggtggaccg ggcgaaggcg acaaggaaac tttccttcaa gctgcatctg 180
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gactgctgac acagctgtac tatatcgcgt aatcttttta tcttgtatat tacgacctag 780
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<210> 17224
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17224

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<210> 17225
<211> 850
<212> DNA
<213> *Aspergillus nidulans*
<400> 17225

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gatcacggag aaaggagaat aaccgaaggg atgacgttgc agcccggctc aacgagctcg 540
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<210> 17226
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 17226
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gaatctagca agggaagtca gatgttcggc tgagttagta gcctgtagcg gagtatcaat 780
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<210> 17227
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17227

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ttcacctctc cagcatcaga caaagctcct atcgggtccct tttgctgtcc atctttccat 180
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<210> 17228
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17228

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cgagagcaat accggcaaag gcgctgccgt tctgatcaca ggtatcggcg gaggtgtggc 180
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aagcctctta atgtctcttt tgttatctgt gcgggctaac acatcacagg ctggcggtgt 480
cctctccatc tatggaatga cagtctctcc cgtgatgcca ttcttgatgc aggccgtgtt 540
aaagaatatt gatgtccgcg gctcgacaat gggttctcgg aaagaattca aggacatggt 600
cgaatttgtc aagacgcaca agtacgccc ggtgggtatcg cgcgtcgtgc aggccgaatt 660

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gagcgaatggt gccgccttgg atggactgtt ccaggatatg aaagatagta aacagtttgg 720
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<210> 17229
<211> 102
<212> DNA
<213> Aspergillus nidulans

<400> 17229

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ttagtgtagg tacggcagac tattcagagg cacagtcgtg cg 102

<210> 17230
<211> 798
<212> DNA
<213> Aspergillus nidulans

<400> 17230

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agagacatgc agagcgggaa catagactcc cctttttgtt ctcccttcct tgtcaatgct 720
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798

<210> 17231
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17231

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<210> 17232
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17232

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ggactagtga ccactgtcgt aaatggtaa gacgtggtac cctgcctttc tcttggtatt 180

ctccatgatt tgcatacaac agcactggag ttcaaaggag atacctccga agccaaatct 240
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cacgagggcg caatgtctct taatgccggt gatggtttag gcgaagatgc ctgggcatgg 360
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gttttcgtag ttgaaacat gcgggtgctg cagcggagt cctttacctc tgatgttggg 480
gaagatgggt ccttgccggt cggaaaacca gcaaccagag tgcaactaaa gttcattcgt 540
gacgttgaat ctccggttgg agaattgcga ttccggctccg gcattgttcag tgaccacaac 600
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gccatgaccg ccaatatgaa tatctctccg tacacgccga tttctctaga tctatggact 720
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<210> 17233
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 17233

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atatgaaatc aaaaattcgc atgccgtctc tctccttgaa ccatcaggac gtgtcgcagg 180
agatcaagcc aaggcgtagt aggatgttcg ttttgttttc ttctcggggc ctattgtttg 240
cagaggggtc cgcgattat tctcagagga gatattgagt ttatatgagg tgtgcttttg 300
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taatcaggtt gcctctgaca cgcattgttg ctggatttga catgcggcat caciaactcg 420
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agtatggtct cgccctgcgt 500

<210> 17234
<211> 831

<212> DNA
 <213> Aspergillus nidulans
 <400> 17234

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 agctcgacta tatggccaac acaactgaca tcttaggtat tgaccctaa catgcaacat 180
 cgtctccgct ccgcctggtg gcatcgaaac ctgcgcaaaa cagaacatga gcaccaatag 240
 tctctacccc tactgcgta cgcaggagac gacaaacatc tatggctggg atatcggtta 300
 tcgttcccaa agctacgtgt acatcacgcc gaaatatctc cgctcctatc tttactacct 360
 ctggaatact ttccggactc ccgtcttgat cggcgaattc gggttcccag tgtacgcaga 420
 atccgaacgt gaactacaag atcaagtctt tgactctcca cggagccaat actacctctc 480
 ttacctatct gaaacactca aagcaatctg ggaagacggc gtgcacgtag caggtgcctt 540
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 tttcgtcggg gcgcggaacg gtttaggata ttgatatact tatacgggta gttgcctgac 720
 tgagagtctc ttaaacgaga tagaacctct gtaacatgga gcccccttgt gcctcaagggt 780
 ttgacacaat atatttcggc ctgtatcatt aggcctaatt gaggtgctgc t 831

<210> 17235
 <211> 729
 <212> DNA
 <213> Aspergillus nidulans

<400> 17235

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 gcccaattgt tattctccct gtgtctaata ttctgcggcg tgctctctac tcccgatgcc 180
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aagacggaca catttctctt gtcagttggc agtacgtttg atgaggcttg gaggaacttt 480
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 ctttcggggc cctcaaaaca ccattccatc cttacaacat tccctgctcc tctttttttt 660
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 acacgccgt 729

<210> 17236
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17236

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 gggcagagat ggtgggcaga ggtcaacttg ttgtgatgca ccttacttgg gccaagcatt 180
 ctttatccgc cgtgcggcca tcaggggcca gagccaagcc aatttacttt tttgtgatct 240
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 cctccgtaag atagcgttgg atacgggggtg tggaccgtga accgtggacc gtggagctgc 360
 aataacttaaa gagtccctcg tctcgagcgc atcacgattg cttagccttg acatcatagc 420
 acccggccca gttattccgg ttcacccgtg ctttattaaa gcaaaagcga cctccagtga 480
 caaagagata tcaactgata 500

<210> 17237
 <211> 827
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17237

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 tattcttgac cgcaagaaac tgggagaatt tgtcctcaag gagcctggga acgccggggc 180
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gtatcttctc ttcgtttag tagtatattgtga ctctgggctt caggggtgttg ggttttattgc 300
 tggcttgccg gctatgtggt cctgttgagc gacaatatgc gattagatct tcgctctgcg 360
 catactccgc tgtcagagtt aacggccgtc taagacctgc tctgcaacca ttgctaccag 420
 ttcggtttagc cgccttaggc ctgatgtctc ctctgtttct accccctagg tttcagtcgc 480
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 tacgaggaac atcagaattt aggatttgtg gctgctcctt tgttgccctc agaaaaaaga 720
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<210> 17238
 <211> 698
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17238
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 cgggggcagg gggattccag ctctccacct ctccgctac ggatctcacc tgtcttaacg 180
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 gtattattac cccctctaac ccgaagaac gaggcgcgca gctaagtctc ctctcaagc 360
 ccggtctgct gcaaagggtc gccgacaagc tgcagtctgc atcgattgtt tgcgacaagc 420
 gcgagcccg gttgtccgt gttgcccctg ctctctgtga caacacctac agcgagggtg 480
 ggcaatttgt ggaacagctg aaggctgcat tccaggagta aagttaatcg cgtccaatgg 540
 cattattagg aagcgtgtac actgttcaaa tctccgtatg gctggaagcg ctcttgatag 600
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<210> 17239
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 17239

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gacgtgtgtg aattgtgttc cttctggcgt cggaggttgt ccaccaattc tgcttgacaa  360
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caaaccgcga aggaaaggac accatcgagc gaatgcctgt tgtaggcgaa gaagctgcaa  780
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<210> 17240
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17240

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gacccccgta ttgtcggatga ggaacactac aacaccgcca ctctgtgtcca gcagatgctt  180
caggagtaca agtcccttca ggatatcatt gccattcttg gtatggacga actttctgag  240
  
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gcctctttca aggctatcat gaacgggtgag ggtgatgacc ttcttgaggg taagtgtatt 420
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aaaaaagaaa ggtcaattcc tctactttta aagggaagag gagcactcag tcccggcaac 720
ccccttgaag tctcggatgc agaacatcta gactcgtgtg acaatatatt gtgctcatgt 780
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<210> 17241
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 17241
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caaggataca tcaatccacc aacaagtaga ggttcgcagg ctccggaacga tcgaggagag 180
gtaggtttca gtcccaatct tgcgtgatag ggcaagctga tcacctgcag cttgttcaat 240
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catccaagga ctgcagggtg aagcagggtg ttcgagcaca tgccacaaat taggcatggg 420
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tgactgccat gagaatacca gccggtacac ttactgcacc ccgtatccca cccagatagt 780
attgtcctta tctcttgccg gctcaggaac catccaaaaa cgaaatcagt ccgattcaat 840
cgggtaaaac 850

<210> 17242
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 17242

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atttcactat tgaacataca 500

<210> 17243
<211> 500
<212> DNA
<213> Aspergillus nidulans
<400> 17243

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cagctgttct cgacaaccaa acgcttctaa atcggtccgc gtcttctctg gagggggccg 180
acgacgcagg tctcgatgtg gtctggtggg gcggaaatga gcacttccaa cttgggactg 240
gcaagagaag caatctttct aaaccagcgc atatcaatgt gtctccggaa accgtatccc 300
ttgatgacaa agagctcgcg cgactccaga ttatgcctgc ttatcgtgga atagttggtg 360
accggagtgt tgacatgcga cagagcgttg agtgcgggag acatgtgttt gcaatttaca 420

ctgcttgtgc gaagtagtag tttgtgcttt ctgcgatga tgtacgatag tctgtatata 480
 ccccaaatcc ttgcattttg 500

<210> 17244
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17244

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 caatatttct actacataac ttttggtttt tgtcttattg gtttttaggtt ttagccctgg 720
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<210> 17245
 <211> 731
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17245

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ctctcgcgta agttttccgg tcctttcgtt gctgtggaag cgcagtcact gatatacatg 180
tctagagcat ctatccctta tttcttctag aaaacctgct ctctgtctgc tagaagcctg 240
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gcccacctc gcttggatct gaattatctc ctctttattc cttataactc cttcgtctgc 360
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ggttcgcac tccattccga agagcagcga ttatctcgtc gtctcagcga tcgacgctcg 540
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tcctttcctt cgcaaggctc ctgtttcttt ttcttctctg ttacaacatt tcgcagcaag 660
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<210> 17246
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 17246

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ccgcagaaac ccgcctcttc gtagcttcgt catgagattt acgcctgatt cccttcattt 420
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gtgccgaagc ctcacaattc tgccccata cggtcgctca ttgattttct gtttctcacg 540
atttgaaggc gcattgggtg ttgtgaccgc gaagatgcga aagagacgga ccatatcatc 600
cccttctatc tcttgtttta atcccatctt cttacttttt acgagctcat ccagatcaaa 660
tcaccttcgt gttactccag gatggatata tttgagaatt cgccgaatgg gtggaggcat 720

cttctttccc tgtcatcttt cttctctatg tttgcacatg ccgcaagcgg caggcctcac 780
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<210> 17247
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17247

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gttatcgatg gcccccaact gcgttacgat ggcataatatt ggcgtgctg attttcgaaa 180
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gagggtgggc tgatgatgat gcctctcttg cgctgttacg accagttgag ctggaattg 660
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taccggtacc caatattttt atatacact ttgtaatgtt gtttgttcaa tattcgccag 780
ctagtgaact ctatatacct gcatgttata ccgcgaaagc gtcaattacg ctgcgcggct 840
ttctatatatt 850

<210> 17248
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17248

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 cggctgccaa ccgaacttca taaactttct ttttcccccg atctgctggt ctgatctatt 180
 caacctgggt tcttaactga accacacatt cgctttgagc aaacaattca ttcgggctgt 240
 ttctcaaacg gagctgattc atcatcatct tcaaatagtc ccatgtcgtc tagagaaatca 300
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 cgttatttcc tttttcattc ccccggtggg tttcttgccg actaggaggg cccaagcaag 420
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<210> 17249
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17249
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 cgcattgagg ctaagcacgt cgagggccac accacatggg gtctggacgg cgacacaggc 180
 gctctagtcg atatgaagga gtatggcggt tgggagccag aagccgtcaa gcttcagagc 240
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 ttaaacagtc cgcattgctg ctgcttcgag ttgatgatat ctgcagtggg aaaacagccc 360
 agcaggcggc tgcgcccacc ggccggcgatg attagacgtt aggaccatgg aataaaaaaa 420
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 tatcttggtc atattgtaca 500

<210> 17250
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17250
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cttcagtgcg gcgcctactc actgcatctg cagccaattg cccagaacca ggggactcag 180
agaagcctcg tcaactacaag ccccagaacc cgtacaatac gcctctttat tacccccagg 240
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ctttgttcta cttgttttat taccgccaag gatcatacca gcaataactg gcagcaaagg 360
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aggagcctaa gacgattact gaggagtttg aacaaggcac ctatcgcttt ttgactacg 480
agagtacttg gtaagttttc cgttcgtgtt cagctagctc gcttttctaa cagcctacag 540
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gtccaggaac aggtgttata aatgggtctg cgggacagga gttcaaacgc tgttcttttag 780
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accttttagag 850

<210> 17251
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 17251
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gattctgcta cctatacacg ctgtgctctg aaaaagggtc ccggctgttg caagcatctt 180
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tccggcgtaa tatgccgcac gcaggattcg gaaagtatga acgccacgac gtgccgctgc 480
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gcgaatttga caatctcgac agccatgggtg aagatctcat cgttttagc cgcggagctg 600

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atgcgcacga taacagccgt caaccattgg attgggatgt ctaggttgaa ggtttgcagg 720
tatacagtct ccacgtgagt tgccaaactt gagaggagct cctctttctt ggacgagaat 780
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ttgaattata 850

<210> 17252
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17252

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cctctgaagc gggtgagaag ttcgggctga atgggtgtcta tatcgcgcat cggcttggtg 180
aagttcccggt tggggaggcg agtattgttg ttgcggtggg ggcggggcat agaggggagg 240
cctggagggg cgcgaggtgg gtgcttgagg ttgtgaagga gcggggtgag gtgtggaaga 300
gggaggagtt tgtggatgga gggatggagt ggaggagaa caggagagg gatgggtttg 360
gaaaattgaa gacaaaaag gaggattcta gatgattgga gagctatggt acaagacttg 420
acaggatgga tattataaat acacgaatgg ttgcttgac gaggaaggc aacattctaa 480
tcctcttta agggctttcc 500

<210> 17253
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17253

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gagcagctgg gcatgtcaga ggagccttcc tactttacac taagggcgac cgtcgtgtac 180
ataaaacagg acaacctgtg ttaccccgca tgtctttcgg agggttgtaa taagaaggtc 240
acagaggtcg accccggtca gtggcggtgc gagcggtgcg acaagactca cccacgcgca 300

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 gctattctat agcatttttg tcggttgctga cccttttctt gccttggttg tatcgacttg 780
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<210> 17254
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17254

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 cgagtccttc gcccccggt cagactatgc cttgcagatt gaacaggatg gcagcattaa 180
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 acggagttgc ggccagtctc tgggttcaat cgttgacgaa aaacaattgt catactgctt 660
 ttcaggggtc atgtgcttat ggctggcagt cattctattc attttgcttg cttgtttcgc 720
 accttttgct tttcgctagg taattatctg cttaagcatg ttggtcaaaa gcaaggagcg 780

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attactcatt 850

<210> 17255
<211> 554
<212> DNA
<213> *Aspergillus nidulans*

<400> 17255

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agttcctcaa ggctctgagg aatcgttgcc taattcggta cgtctagctg atttgcatt 180
caaagaagaa tcaaaactaa caggcgaagg ttcacgatac cggctccagc ggtagccaca 240
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tgatcacgat gtgatgtttg catgaatgga tataaattga tatcttatct gtatattagt 420
gaatttgaaa cgataggcat tatttgacgg gcataacata cttatcttgg aatgtgcaag 480
tggtactat ttctgattat gtagctaaaa cattgctggt gctacgcctt cccattaata 540
ccatcaatag atga 554

<210> 17256
<211> 99
<212> DNA
<213> *Aspergillus nidulans*

<400> 17256

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ttactcagt aggttttata aatagcttgc agtttgggc 99

<210> 17257
<211> 850
<212> DNA
<213> *Aspergillus nidulans*

<400> 17257

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 tctcaggcag atgaagacag cccgggttcct gaaattcgcg ttccactggg aaagcctcgt 180
 acgacgccgt aatggccaag aatctggcac cgaaaccgga tcaaaactat tactcgtttt 240
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 ctgcagggtt aggtagcctt gatgccgatc gtgtaccgga ccgcaacgca acgacagaca 480
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 cgcaatgtct attgaaagga ttttggaggt aataattgtg aatcacgaac agctggggcgt 720
 gagagcttgg agttttcacc tagactagta ggcgttgggc attgtgagtg gggaggataa 780
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<210> 17258
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17258

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 cctacatggg tacgtcgtcg cttatctata ttgcttgaaa attattggaa gggaccatgt 180
 ctctcaccgt gggtaagggt tggaagctga ctctcgcgat atatcaggca cgtacgccgg 240
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 tactgagatc acaaattggca 500

<210> 17259
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 17259

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ataaatagca cgaaaaagca aatccacaaa anaagcctaa tcagatattc caagggaaaa  180
aaaaagtcga aaaacataaa tcttgtgaaa cgcccacttt gcagtcacca acgctttatt  240
gttttcatca gcaggagact ggaagcaatg agtggtcagg atacgaaagt caatcttgag  300
gttgccatcc ggtgtactgc aatgtacagt accaggctgt tcacgcagga ctcaacttcg  360
aaatcgattc ttgataccct agatagatag aagcttgcca tagatagtct gctcctatac  420
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<210> 17260
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 17260

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gagatgctca cgaacgacct tattcaggaa ttctcggctc ggtctcgaag agcgcagcgc  180
gccatctcga actatatcca tgcgacgaac cccgcaccgc atgaggacac ctactgacg  240
ctgattgaaa cgaacgacga actatctgtg gcactgtcca agcaccagcg cgccatgctt  300
caagcgcgaa aagccctcgg tcagcaaacc ccgcccgcag agacagctac ggccacacag  360
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cctcctgtgc cgctacgaag tcaaagtcct ccgcttggtg agccggtatc gccatctct  480
cccgaagcaa ccgcccaccg cagcgccaca acgagaaccg aacagtctga catctcggtg  540
ttaagcggca ccgggccaac tgctcgtttt gagtaccggt cggaagatta ccaggtgcag  600
  
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aacccgtttg cggacaacta cagtattcca tcgaccatac cgacacacac ttatgacgaa 660
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 tattaaccga gtatccgatt ttgattacta cagtattctt ctgggcttgt tttccgtgtt 780
 tttgtattta taccctgtga tacctctttg cggagtatga atgaatatct tggatacaat 840
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<210> 17261
 <211> 798
 <212> DNA
 <213> Aspergillus nidulans

<400> 17261

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 gaacatcaac acccctacca actctctcct cgggccccaa aacgctatcc gcaaactcat 180
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 ctaatatattgt ttaatttgaa cagcccttca atgccttcct tagcgggttc tgtgctgcgg 420
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 cggggctcga taaaggtaaa ggatctgggg gtaaggttgt cgagtatggt gaaggagtta 540
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 ctgtatttgg attgattggt ggaaatggag atgcttgag gtgccagtat gctaatacat 660
 gtttgtgaca tttagggctt tcgcagatta cgtcttcggc agtctgatcc tgcatttctt 720
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<210> 17262
 <211> 670
 <212> DNA
 <213> Aspergillus nidulans

<400> 17262

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tgcaaaatta tgaacgacaa tactaggctg ctatcgatta tcgtcgaaag aaactttcat 240
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ccgtccgtct ccgccgggtt ctggcgtgcc gtcgaagcag atcgaaagtt gcacattcaa 360
cggaaccagc atggctacta acaatctggc gctcttcccc aagaacgata tcacccattt 420
cgtcgagctc aagagctccg tctcacacgc caccggactc actgtactcc ggatagagta 480
tagcatagtc aaattctcct aactccttac attgggcgct gtccgtattc actcgtatgc 540
cgtataccca cctacgcaa ctccgcattt ctcatccctt attataagaa tagcgaagtg 600
atacaaaacg gtgatgagac aatacaaagg tgcattaaag gcggtgcca cataaattcc 660
atttccagaa 670

<210> 17263
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17263

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acatgacgcc gggccgacct acgtgctctg ccggaaacta taagtggtaa cgttcgctgc 120
atgataaaac tcaagattta tctgcatctc tcttctgcct cgtttgaaac tcgagaaaat 180
ttgacccatg cattacacct caaaatagca tgatccgac cagattcaca acgcctagta 240
agaatttcaa cgacacaaaa agtagtaaga caacaaaaac accaggaata gcggataaga 300
caataatgca gagggccgat aggatcaacc agtgatgttt cgtacccatg tttcaaggaa 360
gtcaattggg tcaataccca cagccacttt tcacgaaaga agccaggtag tcgccatagt 420
gtaccaatct agtgttgatt ggctttgatt gccttgaggg tgaccgtagt acaatgagcg 480
gcgatggcca tatttgtgtc 500

<210> 17264
<211> 850

<212> DNA
<213> Aspergillus nidulans

<400> 17264

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ctttgtttta ccagacctcg ccagttggga gttaggtgaa gtcacacaga acagaaacac 180
ggcgagtcaa cccgccacct gcgaaaatgc cgcctttcct ccttcccgtt tcagattcca 240
gacgaagata attgtcctcc atgacataat ggcgcttctc agatcctcat cttcgccagt 300
tgttgtccag agactgactg tggattctat gcaatgtaac cggagcttct agctgccgac 360
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agctcgggga ataggaaggc aaagctccgg gggccaatgt gatgcccatt tacggcgagg 480
acgactgctt tcgtgttaca gtcaatcaca aaacatcaat gctacatgga tcagactcta 540
cttcgcttgt cagttgacag gaccgttttg aggtcgagcc tagccggaga tcaagacttg 600
catatcgtct ggacagccga gttgccagtc ctggaggaaa tgagtaagtg ggggtggggcg 660
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gttgagaaga ccaaaaatac cggtaggctt acttctgtct gcctacagaa atgctcttcc 780
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atcaggacta 850

<210> 17265
<211> 836
<212> DNA
<213> Aspergillus nidulans

<400> 17265

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tgcccacgat ggtcgagatc tccatccccg caaactacgg gtacgtccgc cacggtgtta 120
ccaaacatta ctagccagct agctcagtct taccgccgtc atgagaccac cccatgctaa 180
tcatataacg atctttatta tagatatgcc atcgccgttt cgctaggcgc aatccctgtc 240
ctgggattca tccatgggtg cctcgtcggc tcttttcgca aggccgctgg cgtgccgtac 300
ccccacgcct atgccagcat tgagcaatgt aaagctaacg tgcgtgagcc caagaaacta 360

aatacctata gcaaaacaga ttgtgttcca agagagagta ctaaatagacg tttgtgaaca 420
 gcccaaagcc tacaaattca actgcgcaca acgcgcccac ggcaacttcc tcgagaacgc 480
 gccgcagaca atgctctcta tcttgggtggc aggcgtcaag taccagagg cagcagcggg 540
 cttaggagcg gcctgggttg ttctccgcac cctctacatg ctgggctata tttatagcga 600
 caagccgaac ggcaccggca ggtacaatgg ttcgctgtac ttgcttgccg aagcgggtct 660
 ttggggattg agcgcatttg gtgttgcaaa ggatttgatg taaatgtagt cgacatctta 720
 gcacagaggg gagagttagt aaaatgtggc ctgtttgaat gatagtcggg ttcgtgacct 780
 atattcgtga tagtggagat aggtctgcgc ctatcttata gggccggagc aaaaag 836

<210> 17266
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17266
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 aattcccggg tagatgttct attttgtatc ccagagactg actgtttcgt aagtatgagt 120
 cacatagaga tcccagactg aaggctcaga gaccaaagc tattattagc gttatttgaa 180
 acaaaatata gtgcatgagg ccataagact gctcgaatat aaaagtttac tttaatgacc 240
 cgcaggcaaa aagatgttga actcttggac gatgcgatac tggtaggcgt tatttcctta 300
 agacagactt cctctattta ttcacctcgt tgatcaccaa tatgcgcgac gcttgtgctg 360
 cttcatccta atatagaacc atcacttagt gcatactagt ctaatggcct tcgagggtcaa 420
 gaagaatctg gtactttctg tgcgagtttt aaaacttgga ctggaaggaa gagatgagaa 480
 aatgtccatt aggagtcttg 500

<210> 17267
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17267
 acctcccgga cggttccttt acgggccagt cggaagttgt agcagccatg aatttcatcc 60
 tcaggtagtg ctggtctcct ctccatcaaa tatagtccag caagtagtgg ttgagagtcc 120

agcctcgagg cgccctgtct agaccacgtc cgcgcgcgac taggcgcccc ctctgcgcaa 180
 agcgaaatgg gccacggcca tgccttaacc ctaactgctt ctgtctttcg cctttacagc 240
 gacacctcac tcttaccaga ggaggatgag ctccttcatg tgtcgaagca gacattaagc 300
 cgactgctag agctttctgt gcaggttacc acggccgagg agctcacgcc gaccaggtg 360
 tgggcggttc ttcaccaaag ccttgcgttt gcagacccga agacacgaca agagaagatc 420
 atgaatgttg cgcaggagtt ggcaaggtat atgaagtgtc atgggtagga ttccatctgt 480
 gataatatgc acctttctta ctaatgggac caggtatgga gcggttattc caagagatgt 540
 ggttacgagg gttgtctctc aggttatccc tccacaaggg tcatggcagg tgtgacttgg 600
 gcaaagccat ctaccttttc gaggcctttc tagactctta ttacatggtc tcatgccggg 660
 agaaaggttc tagaattgca aaatcatccg acagcagtac cgcaaactgc tgctgagcct 720
 ggcttctgcc ctttcagatc tccacgtata actcaaaaac attgataact ttagccttgc 780
 aaataccatg ctagcagatg cattcccttc tgacaggcag tttgtgcaat gaaaggttat 840
 ttatatggcg 850

<210> 17268
 <211> 437
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17268
 tcaaataaa aacgttataa taacgttttt tatataattg cgaacattac tcctatattt 60
 agtattaatt tataattata aatgttttta acataaacgg gcttaattat atctttatac 120
 taatatgata agtaaaaaat tttttttttt caaaaagtggt aaaaaaaaat ataatcttgc 180
 actatatatt ataaaaaac aacataaaat ataagataaa aaagtattta tctatacaat 240
 aaaggatatag agtaatatcc ccatttcctt atactatgaa aaattttgag tttgatgatg 300
 gctctgattg aacgctgtcc aagtacttga cacatgctaa tcgaacgact aattagttat 360
 taaactaagt agtagtggtg tacaggtgag taaaagataa tttggctacc ttaaagtaag 420
 gggaaaaatc ccttata 437

<210> 17269
 <211> 500

<212> DNA
 <213> Aspergillus nidulans
 <400> 17269

taccacaacg tgcgccagag atatggcctc ccgctggaca gccgccatct ttacacaaag 60
 acggactggg agttcttcgc cgtcgtgtc gcgtcccaga gcgtccgcac tgagattctc 120
 gagtccgtgg ctaaattgggt taacgaaaca tccaccgacc tgccatttac ggatctccat 180
 gatacggagg ggagcggggg attccccggg cccaatttct atgcgagacc ggttggttgg 240
 ggacattttg cttttttggc gctgcagagg gcttggtggag ggaaagcagt agaagggtta 300
 aggttcttgg atgatgatac ttattctgag aaggttgatg atgcgtacga ggactttggt 360
 agagaggatt tgtgaagagg atgatgaacg aataggagaa aaggtggagg gcttgagtat 420
 atatattcct cgcttttgaa tccggttatt taagatatga gatagttata ctgtttcata 480
 aatgatctct actcttttaa 500

<210> 17270
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17270

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 catgaccccc atggctccgg gatcccaacc agcagactac atcaatgaag cctcgacaac 120
 gcaaacgacg tcggacaaga agtcgtcaga gcagtcctct caccgcacac actacaccca 180
 gagccccgtt gtcattccacg gcacgcgaca agattacccg gaccttacct tgtatcccga 240
 ccgtgtttcg caggaggagc atctccctga taccagcaa ggcgacagca gtcagccgtc 300
 tccgccccag ctacgcgaat ctcaggttgt gcgcgctgaa gtccaatcac agcctaaatc 360
 gcagccgect gtacctcttt tcgacgccgc ttccagacaa ccaaccgctc tgcaagccct 420
 tctcaatgaa gaggacgagt cgccgaaatt gatcattgac cagagtagc tgcggaattt 480
 gcataaggag atggcgagc gcacgagtgg atgctctgta gagcagctcg agcagatcaa 540
 ttccgcgctg atggatgtgc tctggcatac ccgctgcgat tggaaccgta gcaaagtggc 600
 cgctgggatt cagcacgcgt tcaatgatgt cctcgaggac atgcaggccg tgcaggaaat 660
 tgggccgatc agtcagaaga cgcaggatca gctccactcg atgtattaga ctctgttcac 720

ctcacctgcc gtacctgcag cactacgtac ctactacccc ctctctacc ttttttgcac 780
gcatttggtt ttctattggc agcagcaagc atggactgtg taatgagata aatggcggat 840
attcagactt 850

<210> 17271
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17271
tcattatgcg ctggtcgcga atgctcctca agttcctctg cggctatctt ctgcgaagag 60
cctcttgaac gtcacatcaaca agaatttcgg cactctgcct tgggtgccgtc gttaccttga 120
ccgacttggc caggataaat atcttcttgg cgtaagtatt gttgtacccc aaatcgagca 180
tctagctaata gccctcccag ttgaacaacc tgggtcaatc aggaattggt caagattacc 240
cgcctctttg tgacatcaag ggctcataca ccgcccaatt cgaacatgta tgtcccagat 300
tttgccttcc ggacatagag actaaccctg gttacagacg atcgtgctcc gacctaccgt 360
gaaggagggt attagccgcy gagacgacta ctagttagaa ccttgggtcat attatttgga 420
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gattttttta ttttgcgtgg 500

<210> 17272
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17272
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atccctgagc tctgccgtaa attctacaac tggggctggg ttacgggaac tggcggtggt 120
gtaagtgcct gtcgcatttc gaatgcgcc cggcttcttt tccaatacac ctactgact 180
attttaccca gacctccatt cgccgcggag agcatatttt tatcgcccct tctggtgtac 240
agaaggaatt gatgcaacca cacaacatct tcgttttgca gtacccacg cccaaatacc 300
ccccctccga gcgcaagtac atccgtaagc ctctcgatct gaaaccctcc gcttgtaccc 360
cgctgttctt cgccgcattt gagcgcggcg ctggctgctg cattcacaca cattcccagt 420

gggcggtcct ggtgaccctc ctggttgagc gcgagaaggg acccgagggc tgctttgaga 480
 tcagcaacat cgagcagatc aaggggtatac ccaagggccc aggcaaggga atgctagggt 540
 actttgatac ccttaggatt ccgatcattg acaacactgc ttttgaggag gaccttacgg 600
 gaagcctgga gaaggccatg gatgcctacc cagataccta tgctgtgctc gtgagaagac 660
 atggaatgtg agttcctccc aaaccacatt cgtgttaa atgcta atgt gcttatagct 720
 acgtatgggg tgacaatgtg gcgaaggcga agaccaatg tgagagtctg gattatctgt 780
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 atctaccacc 850

<210> 17273
 <211> 681
 <212> DNA
 <213> Aspergillus nidulans

<400> 17273
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 atcattctat ccactagcg caggtgctcg acggatggaa gatattcact gctcagtagg 120
 tgctccacca tgatacaacc tgtgcatatt gcgaagatag agtcaagtat taactaaatt 180
 ctgcaatctg cctagacatg gacctcaagg gattcataat gaagccagca atgccacagt 240
 tgagaacgag ttcggaacat ccaacgataa cgaagctatc gcgaaaattt tggaccaagg 300
 cgagatccag gagaatatcg tttgtaatcc cctctcgctt tattatcgtg ctttaggtag 360
 aatatggcta accatgataa taacgcagaa cgctgagcga cagggcatca ggaatgagtc 420
 gcaaggccca cgggggattc gctaagagtt taaggtaagg aagcttggca ggatatgtgt 480
 ggattgtcat acggctaata aggcagaaat tctgacggat ggttacttga ctgccgcaa 540
 tttttctctc tggtgtttgc tatctgacat ttcaactttt cttatatatt tgaatggctg 600
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 tgtaccagct tatttgtgaa c 681

<210> 17274
 <211> 781
 <212> DNA
 <213> Aspergillus nidulans

<400> 17274

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ttcgtgaggc gcttttcgag atccagcaac ccgccctggg tctgggaatc gagagcgatg 120
ggctcttcac cttcgaggaa cagaaagaaa tcgccgaggg catcccagac tcgagactca 180
aacgcattga cagccccgaa ggccacgatg ccttcctact tcaattcgag caggtcaatc 240
agtacatcct ggagttcttc cgggaggttc ttcccgacat aatgtccaag acgcccacgg 300
atgggtgccgc catcgacggg gttggcaagc taaccaagag cagcactttt caggaagcgg 360
aggtggaaga tattaccgcc tggtaataaa ccacacatag catcactcgt tggcgagag 420
attgcagcct tgacacatca atgctctacg aatgagcggg tcccacgcct cctctcggtc 480
aagagagtac acgtcggcga tcccagccat tttcagagtt ttgtgggagt agcgggtgcag 540
ccttggtatt ttcatcttta accagtcaga gagatgagca tccaactgcc tctctcgcaa 600
ccaccatcac aggtcagact gtaaagaagc atccaactcc tccccatcac acaaaccctc 660
gaccatgtcg gtctcatgcg atgcatttcg cgaggggtgat gggccgtatt ccgaaaaccg 720
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<210> 17275

<211> 850

<212> DNA

<213> *Aspergillus nidulans*

<400> 17275

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gcataaaatg ggacgccgaa tattgccaaa gcagggagct caaccaggcc aaggatgatcc 120
agatgtccac gcgttgact tcatcaatga tcgggtccct ggtcgctccg gtctggagag 180
atgcttgat atctgtgatc ttgtctctgg agtatgtcgg acacgtggat aagtgtggtg 240
cttgagcag tggcccgtcg attcgcgtga agagccggac caagttgcaa aaccattga 300
gaaacgctgg atcagtgtca ccgtcatcaa ccggaattgg taagtcgcct attgtttgta 360
gcgtgattgg gaggtcatgc tgcattcaga aagtactacg agacttagct cggtcgcacg 420
aatgaagaca aagttcttac cgttctgtga ctagcaagat ccagtaaatg cgaagcctca 480

actgttgctg gtcctgtgaa tccttgaata gctctacatt ccccaggctg agaagatggg 540
 cgtgggtaat ggcgtcacgt agagcgaacg tggcaagcgg gatttgatct atggttggcgt 600
 agtacatatg caggaacagc gacgtcagaa gagaatccaa actggcactg ctttgagcat 660
 cataatcggc tcgaagccga atgcactcgc ggacaaagtc gcccgagggtg acgagaaacg 720
 gttcctgcgc ctgactatga ccgggcagac gcagctgggc gagcgttgcc gcgcacagcg 780
 cggctgccag ggcgtgggct tgtgtattct taatatcgtt tagtttcgcc ttcaatgcat 840
 tggttgagac 850

<210> 17276
 <211> 850
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17276
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 tccatacaga ctcgagcgct ggctcagggg agaatgagga cagctcctcc actccgatta 120
 cgctcctgc cgtttatact gagttcctga aagtcttcac tcctatcttc tccagcccaa 180
 cgagcgctga gggcgtggac ttttcaaagt acaagtttga ccgtcataat gtccattctg 240
 cacagtcaca accttcagc gcagtcagcg gcagcttcaa tttcaacgag ccagcacgat 300
 cggcaacaac attacctcg ctgactcttc ttgtgccctc tcattctcga cgagagttga 360
 gtaacctgcg ccggctgcgc atcccgccgg cgcttaggta ctgcccacg tcggcggagc 420
 cgctcgaag cgctggacct cgagtgccg gacctcgaag tgctacactt gatcgactc 480
 cttattctcc aattgattgg aggctacgct acctggatgc tcccgggagc gccaacctc 540
 gaagctccaa ccacaagatg agtgtgcgac atgtcatcac gcacacgac acatataaga 600
 cgacggagtt ggatgcacca ccgagaggaa agcgaaggaa gcacagccat gatgatagtg 660
 aatcgaagtg aattattttc ttcttgctgc tgggtatctc ggttttgttc aggcgtacta 720
 ctggtctgga gtgcggcggt ttggaatatg gtatttcagc gcgggcacta ctcggtcctc 780
 ttttcttttg tgaatatctc ccacatgaat aataatctag aagcatactt gggcgccgag 840
 gcgcaacaac 850

<210> 17277
 <211> 484
 <212> DNA
 <213> Aspergillus nidulans

<400> 17277

gcagtaatga ctgatctggc tgaaaaatgt aacataggcc taaatttagg actcgactcc 60
 gcttcctagt ccgctaggct acctcgaaat atagccatgt tcaattgttt aaaacagtgt 120
 accaagatct tcgttcagca tccgagggct ctgcgcaggg tttagtgcag gtgctgcagg 180
 tgagaccgcc agactagctt cctgtttttac ggcttggctt cggatacggc attcattttg 240
 gcatcttctg ggaggcctgt gtcggggcca gaagttccgc tgcttgtctt actaggtcaa 300
 taaactccca gaagcctttg ctctggtttt cagggacagc aaagggttctt tggacgggaa 360
 gaacgtggct agattcaggc tgtacttcgc ggattgccct tttggtagat ttgcatggcc 420
 gccgagcagg ttgtcccaat ttgcatcgaa acagatgccc ccagaatgta caaggagtgt 480
 ctga 484

<210> 17278
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17278

cctgtccaac tttgcaaaga ctctagagac catgacggag gacgagttcg agggccacat 60
 gcgcagcgtc atcaacaagc gactggaaaa gctcaagaac ctgagttctg agacatcacg 120
 attctggagc cacattgggt ctgaagacta tgacttcagc cagaatgaga ccgacgctgc 180
 tcgtgtccgc gccttgacca agtcagacat tctcgacttt tacaagcaaa tgattgaccc 240
 tgccctctct acccgaggca agctctcgat ccacctgaaa gctcaagctg gtgcacacgc 300
 cgttgagctc aaggaacaaa aagcacgcct gctctccttc gtcaccaagc agctcgaggc 360
 agctgggttt gcagcagata gcgacagtct cggcatcgca ctggaggggtg tctcccccg 420
 cgacaaggag caggtcctgt ccgtcctcaa aacattcctc acttccacat tgaacctctc 480
 tgaacagcag gtcggccctg ctcttgaaac cattgggcaa aacttcggtt tgatgtcgaa 540
 gcagcttggg gttgagtcca aacaaggctc tgaggggtcc agccttacca accgcactaa 600
 agccgcacgc ccgacttata tcacaaacgt cgccgacttt aaggcacgcc tggctgttag 660

tactggggccc aacgcccatt acaaatctca ccgaatttga ggattttgag gccaaacttt 720
 agattttctt ggtagatat ttggtattag ggtatgcac attcgctttg gttcggtcag 780
 tgtggcatgg tgggtggctgg cgggcttggg aacggatttt acgagttgta gaaataaagt 840
 cttgcagtcc 850

<210> 17279
 <211> 692
 <212> DNA
 <213> Aspergillus nidulans

<400> 17279
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 tgacgaggac gaggccgaga agcgcgccgc tgcgccgcac ggaaaaggac tccgacctaa 120
 agcacgcgga ggatctcttt ggcgacattg accttaaccg caaccggggc aagaacaaga 180
 caattgttgt gcatgacgcc tcggggcgacc cgacgcaggc tgtagatctt tccgcgatgc 240
 ccctgttcaa gccggcgacc aaggagcaat ttaccacgtt gtcgaacacg cttgtaccgc 300
 ttttgaccgc gcagagcaag aagccgcagt atgcactctg gctgccggag ttcgccaagc 360
 agctggccaa ggaattgcct agtggagata ttaagaaggt ggctagtgcg ttgacgacgc 420
 tgagcaatga gaagatgaag gaggagaggg cagctgataa gggaagcaag aagactaagg 480
 cggctaagac aaaggtgtcg ctagttgcgt cgaggagtga caaaattgag acgaccgctt 540
 atgatgatga tggtttggat gacgatgatt ttatgtgatt ttcttttctt gcctcgcat 600
 tctttgcctt gcgcctacct acttcgctca gttgaaagtc taggttatac attgacaatc 660
 ttctgtcta tttttgtata tcctcttctt tt 692

<210> 17280
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17280
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 gacaaaaact gggaggaaga gatgcagaaa cggttcgggtg acaattacta cgcagagaat 120
 gatgctggca gcgaggatga aggggatggg aagaagaaaa taccgaagaa gccacatgg 180

gatgacgaca ttgacatcaa cgacctggta cccgactttg agaacgatga aaagcctgca 240
gttgagttgt ccgacgttga gatggaagat gttgaagaaa gtggaaccaa gaagagcaag 300
gctcaggaaa agcgagatca gaaacgcgag gcgcgcaagg acaagcttcg tattgaagaa 360
gcggtggacc gcaacctgga ccttgacatt tcaactcctcc ccggcgcaac aaagagaagt 420
gacggtggct tccgctaccg tgaaacatct cctcagtcgt tcggcctgtc cgccctagac 480
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ttccgtgaag aggagaagaa acaacgggat cgaaagagac tgggcaaaaa agctcggttg 600
aggcaatggc ggaaggatac atttggcagt gaagaaggtc cgagggagtt cgtttttggc 660
aacgagaagc cttctgcgcc cgagcaggac gatactgcag agaaggtcga tattcgagaa 720
ggggagcctc ggaggaagaa gagaaagagg tcaaagaagc attgaggtag attttatcta 780
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tcttacaatt 850

<210> 17281
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 17281
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ccatacacgt atattctcaa gggtcctcgc aaaggggtctc tccgcttacc catcattttg 180
attttatact cgcgctctca gtggtatcgg gaactcagca caagaaccct gaggatcggc 240
atccccgatct atacgaacga ctagtgagtc gccttgagaa tcaagaacac cacaagtctc 300
tgttttgaaa ccaattctgc gtcctcgcac ctgctgcaca tatccattta tcgtctactg 360
aggggcaacta ctatccgcgt tgtccccgaa agccagcgga gtttgccgcac acttagccga 420
tcgccaaaacc caccgacgtc gcggcgccca aacgagcaaa agaaatcctg cgggacaaca 480
caacgctcga gaaaaaagca 500

<210> 17282
<211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 17282

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agcgaacagc gcaagcagaa cgcacggcaa gacgatgaaa agcgcattggc gaagttctat   180
acggatgtgg tatgtacgga agatgtcgag gaggcagatg agctagatga gaagaggggt   240
gtattgcgga acaacaagggt acataaattg caatcattgc cgcgtcttcc gctccagacc   300
gtcattaacc aagatactgg aagataggtg tacatcgacg accccaatcc ggctaaacgc   360
aaagtcgagt cccatacagg gcaagcattt tatattgatt acccgagacc cgaccacatg   420
aaggacctca aacgcggact gggcctcgta tctacgatac aggataaccc accaatgctg   480
aattggatat actgcgacaa agagacgcat gagctcaaat acgggaatcg gacgcagagc   540
tgcgagcatg ttcttgcgcc atgggactgg acggataatg agatgacaat tatcttggag   600
cggaactggg ggttttatgc ggtcaaagag aaggatgcgg aggggcggtg gagttgggct   660
gtttatttag atagggatgg ggatgattta cagcgagttc tgggggatga tgtagttgct   720
gtgccggtta agttgaagag gacattgggtt ggaacggttc cggctgacag taatcagacg   780
ggaggggtcat agagtgcagg gtgaaatcta aagagtgata gaaatatcca tttgctgggt   840
ttgggaatct                                     850

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<210> 17283
 <211> 414
 <212> DNA
 <213> Aspergillus nidulans

<400> 17283

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acaaccacaa cagcaacaga gtcgaatgac atttactctg ttgccggggc tatgacacat   180
gccattattt tgtctatttt ttttcccaa aaagagttaa tatggagttt cggattttgt   240
atcttgtgat gtctctgttc catttctgt cctggttcgt ttcttcatga ggatgcttgc   300
cggcctagtt ggtgcctgtt cggatccata ttgcaggcgt tctagttcta ggtgagggca   360

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gatgagggtcc tatgctcttt taaaatagta ataataatag tactctagag tttta 414

<210> 17284
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17284

ccttgggact attctagtca tctgctgat ccttctcctt ctttatcaac tcttgagag 60
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 tgatctccga cctttcaggg ttccgcgaga gtttctcgct aggcttccac tatatgtcta 180
 tccaggtcta gacggttctg acagccagta cctcacacaa ggagcactga caactgcaat 240
 aaaccgtggt agagcctgat gtggtaggaa agagccacga ctgaacggat gaaagctgag 300
 aaagaggacg cagaaacgaa agcacatatg acgaaatacg gcagctacgt caaagccgaa 360
 gagaccactg acgctgaaca aggtcccaaa acagccaacg cagaaagcgg caatactcca 420
 ctacaaccat gtccatacag gccattctct cgcacaacag cttattctgg tttttgttgc 480
 ccgagacaca taaagcgact gagccatcca caaacaatat gtgccatctg cctcgatgac 540
 tttatccccg cttcatccac cgtacgcgag ctgccgtgtg gccacatcta tcatcccgag 600
 tgtatcgata tgtctttgac acaaagtagc agtctctgcc cgctctgcaa gaaaagtgtg 660
 ctcgaaccgg gatgctttcc catatctatt cctgacgctg tatacgagcg ggtagcatg 720
 cgggggtatgt agctgctttc acaggccttg tattgagttg tctcattgtg ggcttcgtga 780
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 taatcaatag 850

<210> 17285
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17285

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 ggacaccttg gttctgcatg ggtcgtacg aaggaggata agaacgttat cgtttgggag 120
 atcggtcagt acagcatccc taaaaatgca tcctccggcc caatccacaa acaattatc 180

aaccatatca agaagatgaa acaatctcct aatgagtagc agactgggtcg gacgcccaca 240
gtgggattca acaaacgaac tccccgctcg atccctatat tgaggaaaac acccaaataa 300
caaccctctt cacaactctc acaccaccg actccgacga caccacagca acatccacgc 360
ttgtctcaaa ccccgtagcc gagctcgcg cttctggcctt cccaacttcg ctctcgtcag 420
ccgaccgctc atctctcgtc gctcacctca ccacattccg caagaccctt tcagaagacg 480
cggaggagaa ggtgcgcccc aaatcgtttc tgcttgggca ggttgagagg ccgggagagt 540
ttgcgcatgg gaagagttag tccggtcagg cgtttgttca tttcctgggt cttggctggg 600
agagttatga gcagcatcag caggcgaggg acacggaggg gttcaagagt acgattacgc 660
ccatcaggga gaagatgggt tcgccgttag atcgattggg aatgaagcac gttaagttcc 720
agaaggtgta gatgagctgt actggagttg ctaatggaaa ggatggagcc gagaatctga 780
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attatcgtgt 850

<210> 17286
<211> 500
<212> DNA
<213> *Aspergillus nidulans*

<400> 17286
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ctatatatca taattgttat ttaactcggg tgataaccga gtagccggta gactacacag 120
cgtacacagc gtaattcctt gatctactaa ttgacctgat agtgttgaac gagcgggtcaa 180
tatggaacce gataacatat ctgccgcgag tctatccaac atgcctatcc atcctgcaga 240
caaatagata ctcaatccca aacacagcat cacgtcggaa tcaactcttt gtattttgggt 300
acaagtaaac atgtactctc tatctccgaa gaaagaacce gtccgtcact tcgatccacc 360
cacacggtgt ctttaagcata aagtaggcga acgaatatga tataaacaca agcagaatcg 420
tacagcatct ctacgatgt cgcagccaag gtaccgcctt cttccacctt gtcaggccc 480
tcatctcgtc gtcgtcgctt 500

<210> 17287
<211> 850

<212> DNA
 <213> Aspergillus nidulans
 <400> 17287

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tcccaacaca caatctgctc tctatatata tccgccaaaa ccgctcagtc cgttattcgc  180
tgccagtcat gtccaaatag attcgacacg ggtttacaga atgtcatgtt cacaggcact  240
cttctcaatg tcattgctga ctctgtggcta cgggtctcta gaggagagggc ttgcgagttg  300
gggaatcagg tcgctcccc ggcgatgcc gcgaaaatga acagatctcc ggacctgaga  360
ggagcttggg acgactacct ccggcagttg gtgcgcttca gcgttatacg cgggccgatg  420
gatatagacg ctcaaactcc ttgcgctcaa caggcgccaa gtgtgctcga cttggctcgag  480
gagatggaag cgcgccagcg ccgatggcat gaatctcctg attctcaccg gttgccgccg  540
gatcaacgtc tgaacatccc gtctgatcag aactgcctca atcgcgacga gcaagatctg  600
ctttgcatta gaggggcaaa gaggcgaga aatgtgatag cgaaatttgg ctttcaatcg  660
gatgagtacc ctgagagtg accatcattg agtcccgaca gtagcatttc gccctgatac  720
gaccttatat atgaatttag tttaggcggt ggtgttgtgg gcacttgatt gaaatttcca  780
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ccttgatgac                                     850
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<210> 17288
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 17288

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cgaacgtctc gtgaagagct ggggcttcaa acatgttttt acctgggctg atgggaggtg  120
agctaagtac tccactcata tactggaaga gactgtcact gacaggaaca gcaacgcata  180
ctaccgcctc catacacatg ggggcctcac aacgcacctt atccgccggg ggacaatgac  240
aatagcttat cccgacgata atgccaaatc gaccagtagg gatatcaagg agacgttcgg  300
ggttggggca aggggtggatg tgcccgtggt caagcgccat gaggtttgga tcggagatga  360
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aggttgtgaa tatgtaattg gggaataggt cgtcgttca gtggtcctag ttgcagggct 420
attggtaactt gtttattgcg ctgcatgtca gttatggcag ttgaagtact tggataatat 480
ataccattta tatttctgtg 500

<210> 17289
<211> 500
<212> DNA
<213> Aspergillus nidulans

<400> 17289

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gcggtatggg ccacactaac actgtccgtg tgggtccctgc tgaggagaac ctcggaacttt 180
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tgagggtctgc tctgcaactg ccacaacgtc atgatccgtg ttggcccgtata tccctgcgtc 360
tggcagtatg tcggcggcga gccgaaaggg gctttttcat tctcgttggg tataacaccc 420
cctgattaga gagggcggac gaacatagcc tgtaatttcg aattcctgac ttggcgtag 480
ttagcaaacc attgttagtg 500

<210> 17290
<211> 850
<212> DNA
<213> Aspergillus nidulans

<400> 17290

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gatcgccaaa ggctcaatgc actacattct caggccttca agatagtagc cacagcttct 120
atactcttga ccgcaaaaaa cctactcaag cgtgatgcac gagcacaatg gaaggccgaa 180
gctgatcgga taatgtcact ggatcttaat gacgtttcct ccgaccgcat ccagtcaata 240
ctcgagtcta ctcatccaat gcctcccacg gccagtgcc agctggcagc aacaatcagg 300
cgagtgttc caccagtcgt gacagcatgt gcagcggcat cttcctcagc gggccagact 360
ttagttgaag tccatactga gatactgcy caaggtgcac agtcctcggc tgctgcggcc 420

aatcctgcga catctggtgt cgccggaagt ggcgtttcta gcttcgcgga tccagttgcg 480
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 agcgagagag tgcggggcggc aagcacggct agtcaaagtc tagccggggc aggaatgccc 600
 gagttcgtga gtcaagttgg ccaactgaca gaggaactga ataaagtgcg tgaggtggat 660
 tggctgtgtc atggcacggg ctacgaacgg attctcggcg agagcggggc cctgagccct 720
 acggcgtgaa ggggtcttcat tatatgagtc atgtgcttcg tccattgttt cgttctagt 780
 tatcgaggaa tggttctttt ccctatatgt agattcttcc gtgagtctaa tgacagcaat 840
 tgcaagcagt 850

<210> 17291
 <211> 561
 <212> DNA
 <213> Aspergillus nidulans

<400> 17291
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 tatccatcct gctcgacctt tttaccgctt cgcgggcgact gccctgggcg cgagcatgtg 180
 gtttttcgta agttgcagtg ttattattaa acgccacat caatgccaat gctgatgtgt 240
 ctctatcgtg tatagctgat gtatcgggct aagaaggacg ggcttgcctt gcttggttgg 300
 aagcaccgtt gggatcattg agcgcttggg accaacattg attgcaccgc cgattatcac 360
 aataccacag acgttaggta atagaatgga catgtatcaa tagcttgtct tatcttctat 420
 gtgaaaacag cgggtataat acagcgggaac cagggtctat ctactcatat cctcaagcag 480
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 gataatacga gcaagttgag g 561

<210> 17292
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17292
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cggcggacag ctccggctcc tccgcggtt ctggcagagc ggggccagaa tcatggtcag 120
 tgccgtcgaa gaatgttaat cgtatcgat gataactaac acttcccagg tgggatggcc 180
 attaccagtg ggtgatcatg gttattgtcc ttgctgtcgg attcaccgtc atagccattg 240
 tcggggctctg gctcaaacgg cgccacgaca aaaagcatcc gaacctttac cacgctactc 300
 aaagcgcaag cgacagccgg atattccaga accgcaaccc ggaggctctc gtgccgcgcg 360
 ctcgctctgt caacacagtc tccttcgcca gcagctcgcg cacaaacggt ggcccgtga 420
 atcggcaagg tccctcgcca tcgcctttgc aaaattcgca aggcgtagat agcggcgtgg 480
 agatcaggga ggcaccgga tagccaacta ctagcttacc ttctagtgtg ccgattcagt 540
 ctggtttacc ctcgctacct tcgttcaatg tcgacatgcg ctgtttctaa tagtgcgtgc 600
 gtttattgca tatacctggc gttccgcgtc tatttccgtt ctctgttgaa atttcatcac 660
 ggtatacgtg catctaattc ggattgagct gttccgttgt tccattcgct ggatggctctg 720
 tctttacgag ctttattcct ttccttgctt ttaactcttt ttggcccta cacagcaact 780
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 aaaattcgaa 850

<210> 17293
 <211> 793
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17293

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 ccatgatggg ttggatgcat cggtagcctt ctgtgctttt ccagcttggt cagattggac 120
 ccgtgcttag acctgtgcta ggcttatttt gcagcagtggt tatcttgatc ttcattccat 180
 ggggtactcc agatgtgaat gtactcctaa tgcgcagttc tactgcgtac cctgtgcttg 240
 tatccgttcg tatgcaacca agtagccaat gcaactgctg cttactcagt cctacgtcat 300
 gtcatggcaa tcgatgaggt cagaccatgc ttccgcggct ccgaggtgtg taccttgcta 360
 tatctttgca cacactcttc ccatctcaat catcttccaa aacctgatag aatatagaca 420
 acctgttcga catgctcggc ggcggttctc catctccccg tagagcctcg cttcaacaga 480
 agcgccgtct gtcgacggag cattctccca attcctgggg cgagcaacg acgggagtag 540

gcatatgccc attatcccat gttgatgaaa gtccctaactc gtgtagaact tgtatggcgg 600
 tttatcaacg gtgttcgaga aggataaagt cattttcgct gtcgccatcc gtgatgcaac 660
 ttacctggtg gactttgcgc aagaggaact gcccttcagc gagagcgatg acttggattt 720
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 gatgatagga ttg 793

<210> 17294
 <211> 850
 <212> DNA
 <213> Aspergillus nidulans

<400> 17294

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 tcagtgaagg atattgatgt gaatctcctt ggtacgcttt acgtcactcg cgtggccagc 180
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 gcttggggga ttgaaagtga gcgcccggag tctcagtgcc taggtgaatg gccatcccaa 600
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 tatcacacac tccttcttgc cgtccgattt tccatgatac ccactgtccc taaaattctc 720
 taacgtttcc gttttgccat aaatgoggct gaacagcctc gaagctagat attagttaag 780
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<210> 17295
 <211> 414
 <212> DNA
 <213> Aspergillus nidulans

<400> 17295

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taacgagtca gattcggaga taaacggcgc cgggcattgt attattttta ttcagtagtc 180
acagcaacag tggatgata aagaagtagt cacagaattg aataaagccc tcccgggaat 240
cgcaatctca tacatagtgg tatcaaccgt catccgggtca tatcggaaca ttattacaac 300
aagccacaac ggacaaagaa gggaaaacgg atatcatgaa agccacccat cagataaac 360
ccgcgcatgt tgagtcagt tttggcagca ctgtatctag ctattacgag agcg 414

<210> 17296

<211> 395

<212> DNA

<213> *Aspergillus nidulans*

<400> 17296

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atggccacat cactaataaa acacataaat caatcgtcgc caagggtaac agtcagtcga 120
gggcgaaaagg gaggggtaca ttgtttgggt catgaggaaa cataaaaaaac tctgaagggt 180
cgcaacagat gaagaaaaga aataaatggt gtgagaatac caacacctcg acagccatat 240
tggcgtgtcc aggctgggga caaacaacg cgataaagt aacagggtcg acatcgctcc 300
gatactttta tccaaattca gggacaggaa gaaagcaacg ggaaaacaac gagaaaacaa 360
ggcgagcttg ctcaagttag acgtcaaagc aacca 395

<210> 17297

<211> 420

<212> DNA

<213> *Aspergillus nidulans*

<400> 17297

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gcagttgttt gcggtcatgt aatgaggaca gaaatctaag ccggtaatag tacagaagtt 120
gatatcatgt cgtatcccaa ctcaacatcc aagcaagtca attcattgta taggcggtga 180
agattctctc aagatgcatt tcaacagtca gtaatctagc tcagaaataa tctaaatcgt 240

tagtcgtatc gttgaaacaa ttatccggga accatcatct taaagctggc cattatgcgc 300
 tcgtgtccca ggtgcagggg caattgtagc ctcaggggat aacgggtccc ttcccgcgc 360
 gggcccggac accggctgcg tctgagactg atatgccatc ccaggctcat acgtcgggag 420

<210> 17298
 <211> 433
 <212> DNA
 <213> Aspergillus nidulans

<400> 17298
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 ccccgact ccatttcggg aaggataccg tccaaaccgt gcaatgatat catgggtgctc 180
 cttctgaaac ttgaagcttt ggcgcagggt ggctcgcgc gcttccctat tgctcgccag 240
 gatcaccgcg caagataatt ccttctcgcc taccgcgtgc gctggttcat ccaaaagccg 300
 acgaatatca tcagccatct cttggtaact ccttagcaca agttcttggg ggccaagatc 360
 ctctgaatgc ataaaaggga ggtaaaacca atgccttagc gcgaggcgat accgtatttc 420
 gggctctaacg gcc 433

<210> 17299
 <211> 441
 <212> DNA
 <213> Aspergillus nidulans

<400> 17299
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 taaagaacaa ggttcgggct ggtatgcgcc atacgtaggc actgtactac atccaggacc 120
 ctgatcgtat tcgtcattat cgtcatcggc gcagttatgc attcatgtag gaattctatc 180
 aacgaccgtg tctggcttta aacaaataac aaaacaaggc atgggtattg ttgaaaagct 240
 tcccatgtca ttcattggcg accctcgctc catctatcat gcaaggagc ccgccacacg 300
 tcgccaactc cgtctcacct cactccagag cagactcttt acagcaccgc tttaaacaga 360
 cgacatcacg cgttctctcc ctcttcttc tccgcgcctc tgggctcca tccaggctgc 420
 gccatctcaa accctcaaa c 441

<210> 17300
 <211> 477
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17300

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cggcgactga tatcaagtgg catatctttc gaaaaacaaa acgcagtgtc agtatcatgc 180
catcattgtg ggtgtgactg gtcccgcatc catttatata ccacagaaaa gtctttccca 240
cgggtgttcag cttccaccac gttatatata acgcgagcca cctcagccag cgccaaagga 300
gtaccagact ccttcgcage tgtgagggct agtcgtaagt ccttattcat gagactaatg 360
ccaaacccgc cctcgtaatc acgggaggct ggcgaccctt ccacaacgcc gggaacggga 420
ttgttgacat ccatcggcca gcctctgccg gtggacgcgc taaccaaata ttgcaga 477

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<210> 17301
 <211> 489
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17301

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atcattctac ttggcctgtg agctgtagcg acacaagagc acacattagt cgtgaggcta 180
cagtaacagc agtggcacta actctagatg attcaaagcc gtacctttga gacaatgacg 240
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agaatatacc tcgacctctg gtaacttcgg tcgtacctcc atatcgccat gttcctcccc 360
agaatacgta cctgagaacc atcttcctac ctatcaccgg ctacaggcta aacaacgact 420
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aaagctatc 489

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<210> 17302
 <211> 495

<212> DNA
<213> Aspergillus nidulans

<400> 17302

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atggagagga ataacaagat cctgacaaaa cgagggttct cggacctctc tcttgaagcg 120
aatctctcct cttcagtagc ggatttctcc taacttgacg ctggatctgc aaaagtcaca 180
ggcgactgt gctaccattg actttcgctt ggctcctttt tcatctgggt tgacgaatgg 240
ataggggaagc ttgatcatgg cgaaattgtg ttgggaacga gactgatatg ttctcaaaca 300
ttgcatggcg gtcgcaacgc aagctatctg cttggatgat ggaggaggcg catagattcg 360
attgttcgat aaattgacat ttttgaagtt gttgcatgat tcagctcagc ccttcttttg 420
ctggcggatc cagtcaacgc cgtcgcggaac agtgtctcgg acgctgaacc ccccggaagag 480
ccagtagttt gagtg 495

<210> 17303
<211> 534
<212> DNA
<213> Aspergillus nidulans

<400> 17303

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tcaaactgca tcaaaacgaa caattgtgca agtacgccat acgcctggaa caatcttgct 120
tccgctatgc agccaaaaca aagcacacgc tcaatcatgt catgaaaaag agacgctcac 180
ttttatgctc cagatctcga aatgcagaag acagtccgc ccagaaccaa actcaaaacc 240
taacatgaac aaacaaataa taggacatgc aagaaaaata agggataat ctcgatcttt 300
gcgaacggaa ttagcgctat tgcaggcttc attcatcgct tgaacatgta atgtccatag 360
agacccccga cgtcgccgac agcaacggga atctttttca ttccccacca tctagcgccc 420
atthttccaag aacgagagcc atcgtcgatt ggtgtgtcgg gcatcgaggc gggatcacgc 480
acgtaccatc cgcgacggcc cagttcgcgg actgtccagt cgggggaggt cttg 534

<210> 17304
<211> 366
<212> DNA
<213> Aspergillus nidulans

<400> 17304

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tcaaagaggt agatgggaag ttcgaggctt ccctttaact cttttaagtt ttctttccgg 120
cttactcgct taatgtttgt tgacgcagct gtatatacca ggctaccact gctatatcat 180
atactacctt gtacctaata caagacacta ccgccaatcc atcaatacta aattctaacg 240
ggctectttc ctccggcgc gaccagatgt cttccctaa ctagcgaatt gccacaatgc 300
ctgccctcaa tccaatcctc catgttactc aacactgtcc ccgcaatctc cgtcagcgcc 360
tccttc 366

<210> 17305

<211> 395

<212> DNA

<213> *Aspergillus nidulans*

<400> 17305

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acgtataggc aggatcatat acaactttcg aagagtaaga gcaaggtata acgttggacc 120
tttaatgtgg gagtataaat caaaggagcc ttatttcagg ccgcaagaaa ctgattgtca 180
aaagcatgat cttttcgcca gtacgccgtt ccctatacca gaacccgcca agaactatga 240
caaataaacg ccggcagaat tcttttaacg catggtggca ggctttgaga ccatccgccc 300
gttggcccg c ttataagcca tctggtcggg gccatcgaga agagaagatc tttccatagg 360
acggcctgcg ctgcattcct ccaggatagg attca 395

<210> 17306

<211> 402

<212> DNA

<213> *Aspergillus nidulans*

<400> 17306

gccataaagg agagaaggca ggcacacaat ctggttataa ggaaataagg aaagacatga 60
ttctaacagt atatacaaac ttttctgtta ttttccatca taagtcgttg ccatagccca 120
tacactgtgg cagtcctggg tcattgcgca ggctcaccgg cccggcgcta gggatatctt 180
ctagtaatcg tccaaaacat gtccagtcta tccagtatcc attacgttaa gttgttggcg 240

tccgtaactc atcatagcaa gcgaggcgaa ccgcgttaca gcattacagc tgctcagccc 300
 aggggggcagc accaggtgc atctggttca gccacttgac gagctcgatg agttcagccc 360
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<210> 17307
 <211> 403
 <212> DNA
 <213> Aspergillus nidulans

<400> 17307
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 gaggcttggg tgtccattgt gtgggtgtga gactgctgag ggtgagaatg aggggctaaa 120
 aaaatgttgg caagatgcgg ggagaaaagc acaggcacia tactgattat ataagcattt 180
 tttgtacctt tattgatact gtattatttc ctgaggacga cctatgcaag ccaagatcag 240
 tgtgcctgga tgtcataggc tgaacgcggt atgagaatgc tgcaaaactt catttatgga 300
 cactcgtgat accaggctaa gccgcaatat ctcccaggaa atccttcagg taatccatct 360
 tgcccactgg cactcccttg gccctcagga tatcatacgc tgt 403

<210> 17308
 <211> 412
 <212> DNA
 <213> Aspergillus nidulans

<400> 17308
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 gttattttca taggacaagg gtagatttcc accgcatcta ttgaaatata cggctatttt 120
 tgtatggaac attatcaaaa tctcagtcaa caggggtgtac tggcgctgtg ttttccaaca 180
 cctggtaaag caacgcagta acagcgagcc gctcattctc gtcacacaaa ccatggcata 240
 gtccctttat tttctgcatg cacagttcac agtccggacc aaaaaccagt attatttaaa 300
 gctgccgaat gtaacacgta cgccacggac cgaaaaactg gacgaaaacc gtgtgctgag 360
 gtaggtgaac tgggtccgagc cgtccattat cctatccttt ttctatcctt at 412

<210> 17309
 <211> 412

<212> DNA
 <213> Aspergillus nidulans
 <400> 17309

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 gcgtggagta gtatcatcat tgaacaaatc agccataagc ggtccgaaaa agcgagtaac 180
 tccgaatatg cgtagcctct gtaaaaagat tattgaaagg acaaatatga cgtaacggcg 240
 gtattctgga aaatcaacac cataggagca tatgtggacg aacaagatga gtcaagtctc 300
 ccccggttca gctgggttag ccacgcttgg gtaaggcaag gcctctaagt gatccacaca 360
 tagaagaaaa ggaagaagac gagagcaaag aaccagccc agaccttcca cc 412

<210> 17310
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17310

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 tcctgccgcc cactcggtat gttttaacat tgcagtcag cttcttgaga aattctttac 120
 tgtactcaag ttggtttcta ctgctgatgc tcctgtttg ggcatatcgt aggcattctca 180
 aaactacatt tgtcgctgaa atagtagata aaaggtgatg gattgctaaa catattcaat 240
 gagaatccaa gcaagcgcca ttctatgaaa cctgcatagt agaataatag cgcaggagga 300
 taccggttgg gacggataga catagaaaga tacattatca tttcctaaac gtagcggcaa 360
 catectcttt gcgccactca agctcaagct gaccttcata tactgcacgg atcacatggt 420
 gcg 423

<210> 17311
 <211> 431
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17311

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 gcgagacact tccagatcta ttttaatacct tgctatcatc gtccgatatt attaattctca 120

agaagcctcc attcctcaaa acgaccaaaa taaaagcgaa gcggaccagt aatacaatat 180
ctcaagcgtg gactagagca caccgaatca aagaatgagg tacgcacccct cccctcact 240
ctcgacactg tcaccataag tagcagcttc aactccagct tccgttctga catgcccgtc 300
cgaagcattc caggtataacc aaaattcata gctcatgact gtgtgatccg cgtacataag 360
catgagtctg taccggcgcg aggggttcca gcctcgccag ctctcctcgg gctggtagga 420
gcgggttgcg c 431

<210> 17312
<211> 433
<212> DNA
<213> *Aspergillus nidulans*

<400> 17312

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ttgggtcggt gctgacggct ttgcctagtt gatgaattga tgtagattcc atatatttga 120
gaggtcctag ccaacttata gcgggttgacg gacgagcaca tagtgttatt gaagagcttg 180
tgaaagtgtg acatatcgaa gttgacggta aatattacat gattacgcta aaatctcact 240
gaatgactaa catggatctc aatatatcga ggctctaagc actgcactcc atgcttcaag 300
cagcagcctg atatcccggt ccagctggca ctctttcgat gatgcggcgg tccttagggc 360
ttccactcgt ctgcgctgca ccacttgcac tgccagccgg ctgcctgaca atgaaatccc 420
gcttaccatg ggc 433

<210> 17313
<211> 437
<212> DNA
<213> *Aspergillus nidulans*

<400> 17313

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acagaaacac gaacctcggg acttcacgat acttcaaatt tacgcggccg ccctggaaaa 120
gagggtcgac ccagacgatg ttcccaagtt gcttctcaag aagattgcca acgaccgcta 180
atccagctgg gccggctcca acaaccacgg cggcgcatct cggcggagga ctcatgttgc 240
tgtgcgtact gagaacgtac tgagaacgga aagtgtaaac tgaccgagtg gtctcgatca 300

gagggatatc acagaaaaac agggtttgag aaaaagcgaa caaattctac gtgaaagcac 360
 cgagagaaaa ccagtgtcaa gatgagagcc cagaacccaa aaaataagcc aaggagggga 420
 tggcgggcat ttatggc 437

<210> 17314
 <211> 451
 <212> DNA
 <213> Aspergillus nidulans

<400> 17314

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 tggctttacg ggaagagctg agattaataa tgaacagcgg atttgaagtt caggaatcat 180
 aatccattgt agaatcaact acataacaag tctaattcca tttctttcat tcgtaaaggc 240
 ttttttaagg aagtcataac ggcataaatc gaatgtccgc ttattttctta ccagccttct 300
 gggcggcctt ggtgacctta ccagcaccag cgggtggactt ctgcagctc ttgacgacac 360
 cgacagcaac ggtctggcgc atgtcacgga cggcgaaaacg accaaagggga gggtagtcgg 420
 tgaaagactc gacacacatg ggcttggaag g 451

<210> 17315
 <211> 453
 <212> DNA
 <213> Aspergillus nidulans

<400> 17315

gacggacatc taccacagaa gaacgttacg acattatatt ttaaagcgca ggttggcggg 60
 cggggaagac ggtagaatgc aatcaatcca agttgccata tcacacacaa agcgccatgc 120
 cattgatttg tagaagaaat ccttgttcat atttttttca ttcctttccc ctggtttcca 180
 tataccgtct tctcctccct ctatccactt ttcaccagag aaagaaagaa gaaaagagtt 240
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 gaacctggaa tgtggaaacg agcgatgtgg tcgatctgaa atgatatctc ttgggctgat 360
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 agcgtttact cctgctctc gccacaaga gcg 453

<210> 17316
 <211> 455
 <212> DNA
 <213> Aspergillus nidulans

<400> 17316

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 aacccccgcg ccattcaatg ataacaatgt atgaatgtcc cgatagctgc aatcaaaacc 120
 acgaaggagc atagtagaaa aggaataagg atgatgagca taaataatgc agagaggagg 180
 ttgtaggagt tgaagagaaa aatttccatg aacaccagtc caactactca agaggagaca 240
 gagtaagaaa agcagacggt ggccccagat ggagttctga ccgcgcgcgc aaacacacaa 300
 agtaaacaat accgcacgcc gattctgcca caggaattgc taccgctca acgcgccaat 360
 ggaaagggct gtaggggttaa taccacaacag aggtaaattt atgtcagttg ttcgtcgtcg 420
 ctccgcccac ttccaccagt ccttgaaccc cggca 455

<210> 17317
 <211> 457
 <212> DNA
 <213> Aspergillus nidulans

<400> 17317

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 aaaataaaaa gataaagacg ccgtcaactt ttcgacctga tcaaacagac tcctgaaaaa 120
 atttgtttct ggttcatgct tcattacttg cagttgtatc atatcaaaga gaaatcaaga 180
 gatgtaatgc acaatatttc ggaaaatccc ccacaaaaac cccacatgag gacgagaaaa 240
 aaaactctag gcaaccgtgt gggaaaacag gaagctcacg gactcgccgt tgtgagttcg 300
 gcggcaagcc tcggcgagcg tgggactgat atcaatggtc tcaatcttgt cacagagctc 360
 cttcttctcc ttatgaggga cagtattggt cacgacaatg cgcttcaagc agctgttggt 420
 cacattgtca atggctttgc ccgaaaggat accatgg 457

<210> 17318
 <211> 458
 <212> DNA
 <213> Aspergillus nidulans

<400> 17318

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cctgtcaaat tttccacata cgccccaagc ttctataaga acctttctta cttgaactta 120

ctgcgctagc tagtggacca tttcaatttc cgttccgagg tgactttggg tctttgggta 180

ggatattaact aagtttatta acatcgtaag ctgggagatg ttcagcgtga gtacatatatac 240

aggagaggag aaactagaaa tacaatttta atacaagttt gtacataagg caaatgtcca 300

atcccagacc atccatctat gcgatatcat aaaccaagtc cataaaaggg aatattcaag 360

ttcgccaaac tccaaaaaat aaaaagaaaa tttaagcttg ttctctgccc tgggcgaccg 420

ctgtaacttc aagcccatcg ttattggcat tgaatgcg 458

<210> 17319

<211> 463

<212> DNA

<213> *Aspergillus nidulans*

<400> 17319

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tctatctcta tcctgtagt ttaaggtaat ataggtaaata aatcacaaaa tcatttggcc 120

tgccaaatta tcttgattgt gtggcatcgt ggctcgtgta aacattttca aagaatcgtc 180

gctgagaaag cacaacaaga gctaggtcgg gagtcggtct ggcttgttcc ccacgcctgg 240

acgcttggtta ttctcgaag gcccgtcgat gtatacgatg tcacgagcat cgccgacttt 300

ccaaacatgt cccggtgaca tgggtcatata gagtcggtct cgggtccgatt gtatgctagt 360

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aactcggcct catagtcctt gatagcctgg accttggggg cag 463

<210> 17320

<211> 468

<212> DNA

<213> *Aspergillus nidulans*

<400> 17320

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agcagttcca caagcttata tgcaaatgcc tgtatataat cggatcacgg ggcatagatg 120

attgctagca acccgagaaa ctaggcttgt agacatggga gccatccaaa tccaagccaa 180
 gaaaaaaaa caaaagacaa agtcaggcgg gggttatcga actaagtagc taggtagaca 240
 gaagaagcaa caccaaagaa ctgcgcgtgc aggtgtaggt gaaccagacc aagcatagat 300
 agatatgtag aactgaaaca gttgctaaag cggaacaga gactgaaatg gttcgaactg 360
 caaggaaccg aaatggaaag agccggaagt accgaacgct gatgcgagtt aatagtaagg 420
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<210> 17321
 <211> 475
 <212> DNA
 <213> Aspergillus nidulans

<400> 17321

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 aaagctcact accctgtgct taatacaaag gaagagggtt tataaacctt gcgcagacgg 120
 gcagagccag atgtcagggt aactaagaca acttccacga attaacagcc tcatcaacta 180
 gcgcgcggta ttgcttttgc tgatagcatt gctctaagaa gactttatac ttaacctcaa 240
 gcagggcctt ttcgttctca ttgtccgtcg gaacaatcct ccttcctggc ttgctcattc 300
 gatccatgat actccataag tcttccgtgt tgccttcagg atccgcgctg gcggccttcg 360
 cccaagcat ggcagctccg attgcgacac gggcatggat atagcgcggt attagaaccg 420
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<210> 17322
 <211> 478
 <212> DNA
 <213> Aspergillus nidulans

<400> 17322

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 atttaggaca gagcaactga accagaattt attgactgtg acaagcaatt gatcacatta 120
 gtcgattatt agtggcagtt catagagctt ccgaagaaaa aaaaacattg gtggatggat 180
 cataacgcat aacagctagc atatacatcg tcatactgga acatcaaaga tggatatttcg 240
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tgctcatca ttccatactt taacaagact cccaggagca tagacgttct tgaagactcc 360
 actgctgggt gcgtcgatgc ccacgcgggc gtcaatatct gggtagggg ctggcgccaa 420
 gcgggccagt accgcacgga caaaagtga tagatcctga gggctagcga tgcgtgcg 478

<210> 17323
 <211> 482
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17323

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 tagttgtaga agtaaagtaa caactccgtg acattactac ctactacgta cggacgcact 120
 tcacataccg gccaggtaaa gcagatctga ctcgttagtt tcaggcgtca aatggttgag 180
 gcagggtaaa ctactatac tcgctttcag aggcccaaaa gtccaccacc ttcagtccag 240
 cgctcccaca taggttcttt cggatcatccg catcatactt gtggctacga acagcgagca 300
 gcttatgccc tgccggaata tccactccgt ccaggagac atcggcgcggt gtgatatagt 360
 actggttatg cgccccgctc tctcatccc aagcaccagt gacattccac ttgtccagat 420
 cgaaagcctc atgcccgaga atatgattcg cgcgcactaa tccgttctta acaaaccggt 480
 ga 482

<210> 17324
 <211> 484
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17324

gcaggactgc tgggtggatg caactccaga acatgaagcg gaacaactat ctggttgcag 60
 catggatcat taaggacga tggagtacgt gatagatttt ggtatgtagg gattagaatt 120
 agatatactg cgtgagccag atatgaacat gcaaatgctc tgtcaaaca ttccaacat 180
 tttctaagtg gattgcttaa ccataacat ttactcagc cacatttaac ccatcaacac 240
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 tcttgaccat gaacatccag ataaacatta gcgccatcag gcccgcgccg gcagccaaca 360
 tcttggttg cgcatacccg taactctcct ggatggcgat ccgctctggc gagttcacag 420

ggtacgaaag ctgaactctc agatcgccat atatggccac cgcattcgcc ttcgcactct 480
cggg 484

<210> 17325
<211> 494
<212> DNA
<213> Aspergillus nidulans

<400> 17325

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gatggtgtgg tttgtggttc aggtgtctag ctctatatct ttggttctag cagccctgct 120
gaattgtcca acaataagc aaaacatctc taccgtaga actgaaaatg acataatatt 180
tgtccaaatt ctaagctgta tcgtgccacg taatataatg aaatgaagaa taaaatcgtg 240
atagcctgct agccgggaga tcgtgtagcc cgcacttcaa tcaggacgaa tggatatcagt 300
agccaacctg ggaaaaacaa aaaaaccatc acaaaaagc actgtatgct tgtgcgtcta 360
acataagaat gagatgagac atgagatgtc gaccaaagc caaattgttt ttcgccaatc 420
ctttaaggta tgattgttct ccgtctattc aatagcggag gcgttgttgc cgtcaggaca 480
gggttgcctt gggg 494

<210> 17326
<211> 497
<212> DNA
<213> Aspergillus nidulans

<400> 17326

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tcaaccaggg ctgaagatac ctcaaactag ggtacgtatg atctaagaca ggagataaaa 120
cgatatattt ggattggtac tgaatcctat tttataccaa ccgggaaaaa aacaatgtat 180
gaaatggaga agacactcca atccatccag tgggtgtgga caatcatacc aaggagaaga 240
aagtctggaa tttgtcgaat ttcgagtctt caattccaaa cacagtttgt aatgagaaca 300
gaaaggagag caagagccct cggaattgca tcaccatacc aagacaaacc aaatctgttt 360
atattgattt gagtgggcaa gaaagcaact ttgcgtgttg ctttgcgtaa agaaaagaaa 420
gtagaaaatc tcaaagcta gacatgaagg aaaacagaaa atgacaatca tccaataac 480

agtaatgggt ccgttac

497

<210> 17327
<211> 522
<212> DNA
<213> Aspergillus nidulans

<400> 17327

cggctaaggt caaatccgat cccgatctgg ccgcgagcgc gctgctactc gaattctacg 60
acatgaccaa gaccgtctct gtgccccggg cagcgacggc atttgcatcg cgcggcacaa 120
cgcagaacgg tatcatcacg ctgcgctggg cggatgcgac taaggatctg gagcaccggg 180
cgtgggcgag ggaggtgcag gagcgggtgga aggacgtgct cgagaaagag acggacgcca 240
atctcgatgc ggctgggaag gccgggtgtgc cgcagtacat caattatgca gagcgtgagt 300
ctgtcccttc gtctctaaca taccgaccga cagtgtctaac caatcgatgc tgactggcag 360
ctggcgacgc ggtgggtggg aacatctacg gagagaacct gccgcggttg aaagcgctca 420
aggcgaagta cgatcccacg aatgtgttta ggaagatgca tccgatcacg ctggactaag 480
atagcttgag tgggtatata gtctattatt ggacatatct aa 522

<210> 17328
<211> 533
<212> DNA
<213> Aspergillus nidulans

<400> 17328

ccttccaaag cgctgggtgc gctcgctatt accgattctg tgcttgctgg tcccctagga 60
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tccaccgatt ttgcaacatc aaaaggcaga aactaccatc aaggccgga gtgggtttgg 180
ctacgaggat actttctccg cgcactcttg tactttgatc ttgcgcgacg caagactgcg 240
gatgagcgga cggaagcatt ccagcaggta acaagaaggc tagcgggttg caagaaagct 300
ctgagggaaa gcccttgga gggccttact gagctaacia ataggaacgg caatcattgt 360
gcagactcgg taggtgacct ttcttgaga tgctcgttca agttgggaga ataatgggct 420
gacattactt ctttccgcag tcaccaactc aatcatggtc ggcaggttgt ctactcgatc 480
tttattatga cgcctcacgg tatatttaac tcttgccatt tagaagaaca gat 533

<210> 17329
 <211> 538
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17329

gaatgctgga atagactagc ctttgtccac aggaattgac ggctttacca aaacttctgg 60
 tacacggggc catgaataaa ctccctttcc ttgcagtcgt catagcttac tccataacgt 120
 atgacgcgaa actcaattca gaatctgcag ctcgggggct caatgtcgtt gacattcgtg 180
 accgtaaaac ggcagaatga ctccgctggc ctttctcaat cgatctgcgg tgggataaat 240
 cctgaacgcg acgcctatgc tgatctgtag cttcctcttt tccgacgcaa aggataaact 300
 ccatctcaga tcacctccgc ttgacaaaag tagatgatcg cgtcaccgtg ccctcgctca 360
 cagtcttcta attatcttgg cttgtctaaa ccagcttcgg gtttcaagag aggtcgagac 420
 tgatctgcgg gcttctcaaa acccggtgctg atcaaaatct ttctgtcatc agccccactg 480
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<210> 17330
 <211> 584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17330

gggctgaggc tcaggtccag aagcacaagg acatcctcaa cgctgcccggt gccgaccaca 60
 ccaacgctgt taagcagcgc atggagaatg tcaaggagct gtctgggtgtt gttgacctca 120
 ccaagcagct ctttgagggt tccaagggtat ttaaacagca acagctctct tgagcgggtcc 180
 ctgctcgagg tgaaagcgtg gggagattac agctaacatt tgataaagga aaccgccaag 240
 ctcgaggccc aggcttacga gctcgagcag cgcaccgctc ttgctgccga ggccaagcag 300
 gttcttgact cgtgggtccg ctacgagggc caggtcaagc agcgccagca gcgtgagctt 360
 gctgagaccg tcattggcaa gatccaaaag gagctccaga accccaagac cctccagcag 420
 atcctcaacc agagcgttgc tgacgttgaa cgtatgttac aaccccata gaacgctcac 480
 ctgagtcag ctgacatctt ttgaccagc catcatgtcc tccaaggctc agtaaattga 540
 gtttgcttgg tagccctgct atcgactcat gtacaaatta agac 584

<210> 17331
 <211> 349
 <212> DNA
 <213> Aspergillus nidulans

<400> 17331
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 gagaactcat tacgcaagtc ccagagcaga agaaataaga tgtagaagt tataccatag 120
 taatagacat aaattgaact attttgtcaa ttaaacattc ttttcaagta gagttgtagc 180
 gagccgtgtc tgcgggaaga aatactgcc aaggcgacgg tgggcggtga ccagaaagag 240
 ctagttaggg ctgcgttagg gcacccatgc caagagcgaa agccgcacca caacgagcga 300
 ctctcgcgat ctccaaagtt tgacggccga cgacgcaaac gacaatctt 349

<210> 17332
 <211> 372
 <212> DNA
 <213> Aspergillus nidulans

<400> 17332
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 atttttgaca gtactcaagc cgcaaatttt ggcggctaac gtttccaagc acacatacaa 120
 gcattaggag ggcttgagaa aagcatacac ggaccaagtc cctgcacgg caacttacca 180
 acataaccga aatagagcta atgaaatgag tgaacaagct caggaaaacc tagatgtaga 240
 acatcgtgtc ccggacatta ggatggataa ggacatcgtc attagcgact ttactgttg 300
 aatcttcagc accaataaca ctaccggagg gtgtagaggg ttcaaaagca ctgcttaaat 360
 agcaacgggc ac 372

<210> 17333
 <211> 408
 <212> DNA
 <213> Aspergillus nidulans

<400> 17333
 ccactggagg tagtctcac gtccttgcc agcacggaga ggaagaccct cacgaagagc 60
 gggctcgtcg acctggataa ccttgacacc ggccgcctcg aggtcaacaa cttcgtcgcg 120

cagagccaga gccagctgct gagcctgcac agactggtgg acatcgtcac gagggaagga 180
ccagcggaga caggtgatgg gtccagtaag catacccttc atgggcttgg atgaaatcga 240
gacagcgtac ttggactcct tgacagtcac gggagctgga cgagagatgt caccgacgat 300
aatcggggga cgcacgcaac gggatccgta actctgaacc caagcgtggg tagtgaaaac 360
gtaaccggta agacgctcac cgaagtactg aaccatgtcg ttacgctc 408

<210> 17334
<211> 420
<212> DNA
<213> Aspergillus nidulans

<400> 17334

ccagaaccac agcgtaggat gcgctctgtc ggtgcaggat cagctacagc aggataagcc 60
aaacatagac agcactagat agtatgagac taataaacca taacctcctg aaaatatcct 120
gtgtatgata ggagatataa tctaccgtga agtaacatat gagatgacga tagttaacac 180
tcagttttagc ccatgctcta gtagacgtca tcacgcagcc ttgctgattc tcttcgctcc 240
cctcttactg ctttttcacc tgttgcgact tctttttcgg tacacgaacc agccaataaa 300
ggaaaacagc cgcaaatgca ttgaagacga tgtagacgaa cagaatccca acattgcgcc 360
agttatcatc agggttgata ctcagcgacg ccaagaattg attcgttgag gagatactgc 420

<210> 17335
<211> 423
<212> DNA
<213> Aspergillus nidulans

<400> 17335

gttttggggg gaccactcag aaaatagttt cgagtttgaa tctgaccaa cctcgctgc 60
ttgcttacga tcttctcaca gaggagctaa ctatagaagg tatagctgag gtatatttac 120
gaaaaatcaa agtgcaagaa acagtctatg tgtttcattc agtagataaa ggatagaact 180
atcataacac cgtcaagggtg acatgtgagg caacaaagaa ggtataaggc ttgccagat 240
taaccgtgaa gaataagaaa cccatccaac gccgcgcagg ttggctaacc cgtagatgag 300
ccgtaagatc gaaatcaaag agagtcatta attgccgccg cggagacgga ggaccagggtg 360
gagagtactc tccttctgga tattataatc cgagagcgta cgtccatcct cgagctgctt 420

acc

423

<210> 17336
<211> 438
<212> DNA
<213> *Aspergillus nidulans*

<400> 17336

tccaaatgat gtacaataga aatgcagaac atataacttca aaatgaatgt acaggaatca 60
tgtcaaatca agatgaacat aaacgccact tgtcatatca tcataaccat gtattccggt 120
gcccattcagc ttaagcccta tccctcgcag ccttatatag ccctctgata tctccttcc 180
actgctccac atccgtcctc tgcactcttc gatcatacgt gagtagcccg ttgacttctc 240
cctcaacatc agtgggtctga gtccagaccg ctgcgctgca cgcaaacttt gtaacctgct 300
cagtcaactc agagagcaga tagtgcgcgcg ggtagttcca agtatccaag tctctgtaaa 360
tctctgatgt ttctgggatg gtgttgattg ccgcttgtag gttccacagg ttctcgatcg 420
agacattgtg gccgatcc 438

<210> 17337
<211> 440
<212> DNA
<213> *Aspergillus nidulans*

<400> 17337

actcataata tatgctatct tgggaacatt aagatttcta ccaagtgata tctgggtcta 60
gaaagtaaata tttttctgtc taccatctct acagcttcag cagccgcaat aagaaagtgg 120
cgttctgtac ttctgtctcc tcttgcatga tcataacctc ctctgtctgcg ctgggcaact 180
tgccatcagc tgaatcacgt ttctcaagcg gccgacgcac cgccttttca atgaccgaag 240
cctgagtgtt gaaagcctct gcaatgccga tattgtctgg gtccgagaga acgacgtatt 300
ccatcttgac gtcattcagta gggaccaagc cagccttttt acggagacgc tgaagtcggt 360
tgacgatttc tcgaccaaga ccctgggtgag ctagttcggg gtacaacttg acatcgagaa 420
tagtcaagac gtcggcatca 440

<210> 17338
<211> 442

<212> DNA
<213> Aspergillus nidulans

<400> 17338

cgtacccggg atatttgaag atagaatata gacgattgat cagactgcga cggcgccagg 60
ggcgagcaag acggtcgatt tagggccaga aatcccgact ggaacaaccg aggcaaccgt 120
at ttgagacg gccgagactt acaagacagt cgagagaatc caaagcgcca aaggcatcaa 180
gatagacgat cctagtgggc agctgcatgc aaagttggca gctgaggacc ctgatcgacg 240
gttgacggga gagccagtat ctgggacatt aggtatagaa gaatcgacat ccgggatgtc 300
aggagaatta gagattcctg cctaccaggc agtggcacca cggaagattg tcgcattcaa 360
aatcgagaag ctggaccgga cgaatgtgag cagttggaaa gttcaataca agttgttcct 420
gaggacacaa ggttgctgga gt 442

<210> 17339
<211> 442
<212> DNA
<213> Aspergillus nidulans

<400> 17339

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ttgtgggtcaa tataatcctc atcttgcat gctgatgga gaagctcggc cttcccatca 120
attctcatct ttctggtatt ctgcaccacc ttccagcatt tctgaagcct taagaggccc 180
tcaat tttct tcttccataa cctgatgttc gacgcgtcca gtacatcata ttgacaccc 240
actggcttga ttgatcacc cttatcaagg gggggaagtc tctctgattg ccttgacatc 300
cccgatgtca gttcttctat acttagtata ctgtatactg gctctccttg tagctgcttg 360
ctaggatcgt cgatctcgat gctattagcg ctttggattc tctccggtac agttctctcg 420
actgtcttgt ctgtctcggc tg 442

<210> 17340
<211> 446
<212> DNA
<213> Aspergillus nidulans

<400> 17340

tcgactgcat ttagcacgac gtcactgca agtgctgccc atgttattta cctggtcagc 60

aatcacggtg atgagcctca agatcggaag cgtaaacgct agtcaatgcc agtagagcga 120
tatatgagca ctagaaattht gtgcgcaata atacacgctt gaaactaaga tcttccctca 180
gttggtaatg aatgaccagc attcctttgt tgcgaggtgg ctctgagca gtgaagtgcc 240
ttgcaagcat tcaagaagaa cagagaacca agtgaggttg ctgaggccct acgaactttc 300
aaatcatgaa ccgtcctctt tcaccacca ataggggtgac aggagttcca atctcgtcac 360
gcatagttgg gcttcgccag ccacttgagc tgcggagtcc cttgctctt cagcaaattg 420
cgaaccgaaa gagaatgcc aagccac 446

<210> 17341
<211> 449
<212> DNA
<213> Aspergillus nidulans

<400> 17341
ggaaagcgat ggataaagga tgcgtttact ccgtatgaat acatttactg ataaaatcta 60
gctgaggtat atatcagctc gtccaacaac agtaataaat gagaaaacag acaagcaaatt 120
cgaacgagca aatgcgaaac tggccaatca ttcattccat cgtacagaga gaaaaagcat 180
tacctgaagg aatctgccgg tcaagaaacc tgttcccgtt cgtatgcaat tcctcgaaac 240
atcacagaga aataaagcgt tatatttata cagcgctgta tcctcctctc gaacccgccc 300
cttgaaatgt gttgactacc cggcgagcc agtcttgga gagataagga atgtctcgaa 360
gcgtatcgcc gtgcggaagc aggtcccacc caggggcacc atagcgatta taattgagcc 420
acgagccgaa gataagatat gctgcggcg 449

<210> 17342
<211> 455
<212> DNA
<213> Aspergillus nidulans

<400> 17342
atcggccaga tttgttcttg taaagagcaa tgtgcatttc aatctacctc aacacctggt 60
aggggtatcc ttgtccctcc tactggctag attgtggcac tgaaaaatga cttcgtcagg 120
ataataagtc acaattattc acgcgtgata aagaagtctg gcttgctttg cgttcttgcg 180
acagatcata tgttgctctg tcagacccaa ctctaaagta tcccaaagca ccgtataaga 240

taagatccgt gccataaata ttaaaaataa atggtcaaag tttcatgccg cgggggtccgt 300
tctgtcgac cggcttgcca ttgggaagga aatagagtag aaacattaaa cgcactccgt 360
ccacaggaca cgctgttcag accagttctc atgaaactcc aaccagaaga aagcctcaag 420
aactgtcaag tcttcaataa taataatcgt aaaag 455

<210> 17343
<211> 457
<212> DNA
<213> Aspergillus nidulans

<400> 17343

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atacccccctt caacttcctc ttcggcaccg cggtagaaag ctgcgggtat ttgggtagat 120
cagaatacaa ccattgaaca ccagatgaag aatcgcaaga ttcaaaagca ctgaaagatc 180
atgtgcttgc cacctaattc ggggagaaaa ggcattgttg aatatgtctt catagccgta 240
atggacttca caaacataaa tatecttccc ttgcacctta agtagatata aatgcccgtt 300
ttaaagtgcg gatgaaccag cctgcatctt cccagccacc gtgatcccca gctctttcta 360
aatgggggat atcggagtta gtatctgaga cttggcttct tgtctcatca tcatcatcct 420
tgtcagataa ctgcgggggc tcgtggttat tttcgtg 457

<210> 17344
<211> 457
<212> DNA
<213> Aspergillus nidulans

<400> 17344

ctgacaccac agaaagataa cgatatttac agtagttaa aggaccaagc gcgagcacag 60
aagttgcgtg gtttaggttag attatccaga aagtcctccg tataccctca ttatcgaggg 120
taggcgggtc ataagtatat agcatatggt atctgagtgc ataactaaat aagaaatgta 180
taaaaacttg gaaaaacaag ttcctcgtcg aatatccgac ggacctgagc cagaacgaat 240
cgctcgactt tgcccacgtt tttgaggact tgttttccat cctctttgcg gccaatctcg 300
ctctcgactc ggatttcttg tagaagactg aggcctttct gatgcgggct tggattgcog 360
cctccactgc taccagtaga tggaccgggg gtctcctgct ggccggaata tgagccggag 420

ccaaccagcg cttcagcgtc ttcgggggaa agaaaac

457

<210> 17345

<211> 460

<212> DNA

<213> Aspergillus nidulans

<400> 17345

tgattgctac gccgaatgta tatacatctt caggctgaaa ttgaacattc tcatgtttta 60

cttatagaca agtatcaatt aactaaatcc accagctacg gtgagcgaac acagagtctg 120

cgcttcttga gcacagcggc aactttcaaa gcagctccgt tgcgaagaat atcgacaaag 180

ggaatcgggg gagattgacg ggaaatagtg ggagagagag agagaggctc gcccggtata 240

tggaggccgc gggctatcta tgtaaaggca gcaaaagacg ccctagaacg ctacgttcta 300

gatgaaagaa aaaccgcccc acagcgggcg cgaagggtgg ggaatcaagc taggccgtca 360

accggacggc cttcaacgaa aagtgaaata agagaaagaa aaatgctcct ccagaaagaa 420

acaaaggcgt ccagaaagtt tgtggcagtg gtgagtgaat 460

<210> 17346

<211> 465

<212> DNA

<213> Aspergillus nidulans

<400> 17346

cagatcaagg aattagcttg gagatagctt actggtagta acttcagaat aagtattagt 60

tgtgtgagtt cgaaatattt aaaggatata tgtgttttaa tccgaactaa gtactttccg 120

cctacctgtg ttgccggtcg gcaacaaaat tcttgatcag aatattattg aattgcctct 180

gttatcgtga atctaagaat gacatgaaga tatcatgcct aacatcgtct tgcaaaaaga 240

aagaggcccc ggattgccgt caggacgata taaggcggct gggatgaggc ggggctggga 300

tgaggcggta taaggagctc atgcggcttg gtgtacaatt tttcgctaac tccacgtcac 360

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ggagaatggg gaggatatag caagtataaa ataagaatat agaga 465

<210> 17347

<211> 465

<212> DNA
<213> Aspergillus nidulans

<400> 17347

catagctcgg gagcttaggt taacttaggt cgcttaatct gctgagtaag cggcaggggt 60
gaggtagtta accaccacca taggtagtaa ctacttacta taagcacccc aattgctttg 120
gtgttggttac tttattatcc agagtgctaa aataatgtat tgaccaaata aatagtatta 180
tatgttattt atacgctact taagatgcaa atcgagttca agtgaattcg taagtcatag 240
tgtacggccc aaatgccaga actaaacatg agccctaaga actgacaata cacatttggt 300
gcaatgccca tatcctaact catgaagttt ctttcacctt gccgcaattt gaacaagtcc 360
accactctgt ttccatgaaa ctaccgcagg aactgcataa ccaccccagc ggttttttct 420
gagcattttt ctcaagggtg gaaagggatt caacagcgct tcttc 465

<210> 17348
<211> 467
<212> DNA
<213> Aspergillus nidulans

<400> 17348

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gctttgattc gcataaggct atgtggaatc accttagaga tcgccatggc ctcatgctgg 120
actttttgat gtgagctgag gggaaatcaa cgcgtataag tcaaaacgaa agtcaaatt 180
gcgcggcatt ttaataaatt ttggcgatga caagataaaa cagacgatgt gggaaacagt 240
tcgaactgga acgataagga aggaatgctg tcagatcggt gcagatatat tcgacgacaa 300
ggtttgaagg ggcagatagc gtggttgctg tatgcattgg taagaacat tgcaacatgg 360
gcattaggct gcaggaatcc cataaacaca ctcaatcttt gcaaattttt ctgatttgag 420
gacatggtca agtaagtctt cgatgtggtc atactcatag ccaagga 467

<210> 17349
<211> 468
<212> DNA
<213> Aspergillus nidulans

<400> 17349

caggtatcag agatctgctt cagcaaaatc tagattatga ctacctaacc cgccagacga 60

ccgtcaacgt acagcaaaca catattatgc acacgggtaa atgcaaccaa actggcaaaa 120
gttacttgtg atataagaca gtatgcatgt ggggggtatga gtattgacgg ggaggagatc 180
aaaattaaaa tatacatgtg gccagcacag tgaagtacaa agagcatatt acaacaaaat 240
agacagagaa gagcaatgtc aacgagatga aacgaagcga aacgaagcga gaaggtatgt 300
gaagagcaag aatgataaac caaatacaag aaagggttagg gattaaagag agaaaaaaga 360
aaatgataca gcccggtggct gaagaaataa cccagccatg cgatgcgctc tatgattttg 420
tgtccaaccg agtgttgccg cccttctata gccctgaaat gaaatggg 468

<210> 17350
<211> 468
<212> DNA
<213> *Aspergillus nidulans*

<400> 17350
gccgaaacga aaagtcaaga cgcattcttag taaacggaag taacaaatgc gttctgacat 60
gcaatatgca gagtagaaag tttctatgtt ctgggacaac agctgtatag gcaagtgagc 120
ttgaaaataa cagtgattat aagtatggaa gtgaaaagag ggcaaaatca ggcgaaaata 180
atgatgctag acggagaaaat cggggcaaag ggcgatctac gcaacctgac ttgctctccg 240
actggagctg atctttgaac cagcaattga accgccgcct gcaacactcc cgctggcctt 300
gacggtgcgt ctggaagcat gacttgatac ctggctgacg ctgtcactcg gtctgacggg 360
ttcatcgaat ttgctggacc gtttagagac atgcgactta tgagagtgat gagatcggtg 420
tgaatacgag gagcgccatg atgagtcgcc aacctggcta atcgagtc 468

<210> 17351
<211> 472
<212> DNA
<213> *Aspergillus nidulans*

<400> 17351
ggatgaaagg ctggcaataa tacatcctac tatgattata gaatagatag atggccttgca 60
ggacagatct ataatgtatc tcttattctc tcgaatttcg ctctatattc tagtttttgg 120
ccttcttggc attttctcac cagagccctg ccggaaccgt gcaaacaaca ggactgtaaa 180
atgaaacaca gacgtatgga acctcgagca aaccagggtg catatcagag cagagcaaac 240

agaaagccga ctgcatctct gtcggggatg ttgcactccc agacataaac gtatgtacat 300
 aaatgtatgt atccggttaa gagacatggg gccgtgacag taaagatacg caaacatcgg 360
 cttgtaacgg acgcagaacg caagagacaa cagcaactct ccgaggttgc aagtagccat 420
 atccgaccaa gacatacaga cctacttaca tcgttttgaa cggaaaagaa ca 472

<210> 17352
 <211> 473
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17352

acggagtgct tggtagcttg actcttgaca gtccttgggc ggagctgtac gggctatattt 60
 gtatagtctc cctgcattga ccctttatatt agcttgcgag ctccaccaaa gctctacaga 120
 atacataatg tttagaataa agtgggtatg cataatcaaa agtcctttct actgtgtcta 180
 gtcagattga tcgtgatagt catgacaaat attccaccca agaacgcctt tcaaacccaa 240
 acgctctttg cggcaccaaaa caccaacaac cctgatatca gaatgccgtc cacataggaa 300
 agaaaaaaaa ggattgaatg aaaaattgaa aagaatgaaa aaaaaaaaaa gggaaaaaaaa 360
 aaatgaaaag aatgatctga tcagattaga aaattcccga ccacctccgg taccaccttc 420
 tccgcgtcac ggacccttgt tgggtacctt ctctgaact agactctcgt tcg 473

<210> 17353
 <211> 473
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17353

ttgcagctat cctctccctc gcacctctcg cctttgcagg catctccaac gccagaatac 60
 tcaacaacat ggacaacacc aacattgtca tgactgagcc caacagcatg aaaaccaacg 120
 ggatggaaac catgaagcgt ccttttatga tgcgtccagc cacgaatgag actattgcaa 180
 ttgggcacgc catcgtcgcg aacctctgcg agcagccaat ctacctctgg tctgtcggcc 240
 aagacataag tccacagtac atgatcaatc cgggcgagga atatgttgag gaatttcgcc 300
 gcgacccgca gaccggagga atcgcgatca agattaccac cgtcaaagac ggcctgtaca 360
 ccagcgcccc gcagactgtg tttgcgtata atcttgtcga ggacctggtt tggatatgacc 420

tttctgacgt ctttgggtgac cccttccagg ggcagattgt gagcatcgag cct 473

<210> 17354
<211> 474
<212> DNA
<213> Aspergillus nidulans

<400> 17354

catttaacca ttgttcataa ttttaaggact tcattacagc aatctgactc tttaggtgga 60
gttgaacaga agacttcttg agtttattat tctactgtat cattttcatt gggatttcag 120
aaatgataac ttgggttagac agaaaaggga ataaattttc gtttaatagg gatgttcgtg 180
gtcgcacca aactactgga ggaaagccgt ccgattctct catatttttt ggatctcact 240
ccctttcgtg actgtgcagg tatatacagc cgtgcagacg ttgcaaaac gactgaatcc 300
cagaaactcc ccgtccactc cagtaagcat gaaataggac cataaacgga gaatacaccc 360
aacaaaaccg ttttaccggt tgctcttagc cacacgctca agctcgtcct tcttcttgat 420
agcgtaggag ttggagctgc ccttggcggc gttgataagc tcctcagcaa ggca 474

<210> 17355
<211> 484
<212> DNA
<213> Aspergillus nidulans

<400> 17355

ccaaatcaac tgaagcttac gacaaaatga ggaaaatact aggaatccat atattcaagc 60
aagaagaaaa cagcgattga aggacaaaaa attgtacaat gcaaacgctg ccacaccacg 120
accaaagaaa ttctgccag aacctcgcag caatgaaagc cgagattgaa gctgggggtat 180
cttcaagcgc tgagacatac gacccgaacg agaacgccag atcatgcagg ccaaagtcga 240
acacatgaga aaagtaaccg aacaaaatat tcacatcgaa aggacacctc ctgggaaccc 300
atcactatgc gttaatcatc agtcatcaca agtcatcaag agctgccgta acgctgtgta 360
tataatcaag caacaatagg cccgggggtct agaacgccat gtacacagac accgaaaggg 420
aacgaaagtg ggggtgtaag tctggagagg ggagcacgat gctgacaagc gttgcatcac 480
tgag 484

<210> 17356
 <211> 485
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17356

gctacgggat cggatatcaa actgccgtat tatctaggat gacatcagaa gcacagtgtg 60
 cagaatacag tacttgcagg gaattgcaga tgttgaaaat tcaggatatgt acgtatctac 120
 gtcaggccag agtaagggtta aagatcaagt aagtaagtat atttccaagt ctattagtag 180
 atggtagtag tgggttaagc atcaaagagc gaatcaacca ccaaactctga gacaagcaga 240
 tcgagatcgc agaatggtat cataaagcag agatgcagag caaatgactc gactcaagca 300
 ctaaaactcct gtccatgtcc atgagcatag cgtgcactcc aaaagaagta aacagaaaa 360
 gtaaaacaga atcccttcct aaatgctgga tategcaaat gctaattggag ggaaatcgaa 420
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 tctgg 485

<210> 17357
 <211> 486
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17357

agtatgctac aatgacataa ttgctttgaa actataatga aggcgatctc tgttaacgta 60
 taatcgtact atgtcagatc tagaacacag acatatgcag ctcagcaata tcaatcaaac 120
 aactcatttg ctccctttag cgactccttc caaaaatcca agtaaaaatg ctttatttgc 180
 aggggacgca actcggtcac tattggaggg ttcgctgcca gccggttgat ggtgcggtgt 240
 cagtgggctg acaacggaag gggtagccga atgtttcggc aaagaagttt gcaggttcaa 300
 ctccgcaggc gaatgttttg gagacgggtc agatttgccg aagagggaga gtagtgcttc 360
 tctctgcgca ggtgtctggc ttggccgtcg ataagtatca gcctgcgagt tcggaaccgc 420
 cttggcccca gaagcttcag caagactaat tggttgactg ctatcttcca tctccttcgg 480
 tcgtat 486

<210> 17358
 <211> 491

<212> DNA
<213> Aspergillus nidulans

<400> 17358

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tagcttcaat cgcctaccgt aattgcaaat ttgtaagcca gcggcaatgc aatagagaat   60
gcatatgcaa agaactataa gcacatctgg ccatcgtgga agtggacatt cttacggatc  120
aagcttgcca tcggcaattt gcagaagaat aattgaccag actcagagaa tcaatagcta  180
cctttttaca agagcaaaca ttaggaatat gatattttgt tatttttctcc ataacaata  240
ttgattccta gttacaaaat agccaatata tattatttag tgtacacaaa tacaattact  300
cctcatattc tggctcctca tctctgagct gctcttgctc ctgctgggtg tacttgagcg  360
cactgccctt cccgctcgcg acgccccag cgtggccgcc gaccttgccg cctcatggc  420
cagcctgggtg cgggtcgact ttgccgtagg cgaactgggtg ctgctgcgtg cgcttgctctg  480
gctggttgtc t                                                    491

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<210> 17359
<211> 498
<212> DNA
<213> Aspergillus nidulans

<400> 17359

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ggcttcgtga ctctgacat gattaagggt agtttacctt tctggtaacc tgtcgcactc   60
gctgatttgc tattctagga acgtctccca tctcccgcca gcgacatcaa gatcctctc  120
tgtggtcctc ctctatggt cagcgccatg aagaaggcca ccgaatctct cggctacacc  180
aaggcccgtc ccgtcagcaa gctggaggac caggctctct gcttttaagc tcacatcatc  240
actatttatg gcagtatatg ctaaacaatgc gtatccgatt gcagaagcct tgaaaatggt  300
atagcattgg aacggataga ggtacgataa tcggcgccaa cccaagacgc gatcatgtca  360
tcacatataa cgacactgtt atgctagtac gggaaatggg aaatgtccaa agtggtttga  420
ttaagtatct cgcttgataa ttattagaac tattgtatag agattgtcag aaaaaaaaaag  480
ctaaataaca aattcggtt                                                    498

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<210> 17360
<211> 535
<212> DNA
<213> Aspergillus nidulans

<400> 17360

agaggcctta gccagctgtt tattacggcg ctaataaata ccttagtatg caccgatccc 60
catgactaca atcaaccgga agcaaatgag gacttattag cactgaatgc atctctcgac 120
tcttttcatg atgtgatttt atcacttttag accccctatt cgtgaggatg atactgtctg 180
cccccaacag tgctaacctc gagcagtcac tatgttgccg ctgccaaatc atttcagtgg 240
gtgagctcaa accgactttt gcaaccgaag agatgaataa acgcatccgg gtccttatcc 300
tgcacctggt taccacactg tgcgcgggat gaccagtgtg tgtctgcgtg ggacaacgtc 360
cagttgggca atcgaaagtg gcaggatcat ggagacgggt gagttggctg agaaatagac 420
aaacgacgcc atttaagact gatggcttag aggagataag gtacaaaggg catatttccc 480
ctgcagtatg catagaatgc tcctcgcgcc aatgaacacc gtgcaaaggc ttaag 535

<210> 17361

<211> 541

<212> DNA

<213> *Aspergillus nidulans*

<400> 17361

tcggtgatct caagtcctt gacactgtca tgccgaacag cgggattgcc gacagcgtgg 60
cgaggctgca ggaagatgtg gcgaagcagg cagggaaggt gacaccttcg tgaatcctct 120
cccgtcagtc aattgcttgg gatgataggt ctaccagttt ggcaggggat aggtagggtga 180
gtgtttggct gacttgatca tcgttcattc ttgggtgagg atttcattgc tgatgggtac 240
atgtatgata gtagggaagg gactacataa gagattagag cagagcaggt acgaacgaac 300
atggaattga gtgatggtgg cctatgtttc ctactagttc agctgctatg tgttgtgcta 360
taggaatatg aaatttgaga taggataacg gggtcggatt ctggaaccat tctggcattt 420
acaatgatat tttttcagta ccatcatgtc actattatgc tacccaattc acacaatgaa 480
acagcataac tataattcc cataggcaga gatgaattca atcactgaaa cattccctcc 540
a 541

<210> 17362

<211> 565

<212> DNA

<213> *Aspergillus nidulans*

<400> 17362

gagaacttgg ctcccaagaa cgccggcggg ggtgagcctc cttctggtgc tctctccaaa 60
gccatcaacg agagcttcgg tagcctcgag aatttccagg gccagatgaa cactgctctc 120
gccgctatcc agggaagcgg ctgggcctgg ctggttcagg acaagcaaac tggcagcatc 180
gccatcaaga cctacgcggg aagttgatac tgggtttctc gtggtggcag agacgtagtt 240
acttatccaa gtcgcatttc agaaccagga cccggttggt ggacagttca agccctcct 300
tggtattgat gcttgggagc acgcctacta gtaagtgtct ttggtcccct cggttggtct 360
tctccgctaa ccggtacgca gcctgcaata ccagaaccgc aaggccgaat acttcaaggc 420
gatctgggag gtcatcaact ggaaggccgt tgagaagcgc tttgcgtaag ggttgagcgc 480
atgtcgtatt gaattgttgg atataacccc atgtaacctg tagttgtgac aatcctaaat 540
tatgatacgt acttgctttc ctatg 565

<210> 17363

<211> 615

<212> DNA

<213> *Aspergillus nidulans*

<400> 17363

tatcccagct agttgccac catttctttc atcttccgtc gacttttcgg gtcttttgcc 60
ccgcctctc cagctacaat gtcttccgca aaggtaagg ccagcaaat cattgatgag 120
aacggcggtg gtatgttttt cctccgatcc cgcgataaga ctagagcgag gctaacaggg 180
tcgatttggg aaagtcgtct tctccaagtc ctactgccc tactgcaagg ccagcaagag 240
cctcctgagc gaactgggcg ccaaatacta cgcgcttgag ctggatacca tcggtacgtt 300
gcgtttacct ggctccgtta ttgttgtaac ttagatgggt aactgtgaac cgctgctaac 360
gacttttttt catagatgac ggagctgacc tccagaacgc cttgaggaa atcagcggcc 420
agcgcaccgt tcccaacatc tacattgcc aagacacat tggtggaac tcggacctcc 480
agggtatcaa gaaggatctg ccgcgctgt taaaggatgc tggagctctg taaattggct 540
ttagctatat aagtgaatgt gtgtcgttgg agcgggataa tagctcgtg ataataaac 600
atatatgcat ttcta 615

<210> 17364
 <211> 1003
 <212> DNA
 <213> *Aspergillus nidulans*

 <223> unsure at all n locations
 <400> 17364

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tcgccgacgt ggtgaccgc gagtacacca ttaacctgca caagagggtg tggtaaactg 120
cgaaactcgt cattatctct cctcccttct ttccggcggt cgacgcacaa tcgaccaccg 180
agctgtgatg ctacggaaga caaggatgaa acataccttc tctttccgac aaccgtgagg 240
catggatgga gaacaaggac atgaaacccg cgccaaccag cgataagaca agcgcacgat 300
ttcccttaac tgaagaaacc ttcaactgag aaaagaaagg tggaagccgc agccttgccg 360
gggaagcaaa gcaagtcgtc ggcgatgcaa ctacagactg gaaccaggaa tcatgcttca 420
ccaatctgaa atccaagtaa ttgggtccag atcatgatga acctgtgaac tgagtgagaa 480
ggtcgtcaaa cgcaaaaaaa gaaaatgaat tggttttatg aagtccacct catggccgca 540
atcgcagcaa gaaaaaatat tcctcttttc aagatggcat tcgggcggaa gactgattct 600
tctttttttg ttactcaata gacgcacggt gtttccttca agaagcgtgc tcctcgcgct 660
atcaaggaga tccgcgcttt cgctactcgc gccatggtta gtcacttccg tcccacaaga 720
aaccctgtg aaatttgagc atgtctaac caccttttgt ccggtgggca gggcaccacc 780
gacgtccgcc tcgaccccca gctcaacaag aaggtctggg aagccggtat caagggcggt 840
cctttccgcc tccgtgtccg catctctcgc aagcgtaacg acgaggaggg tgctaaggag 900
aagctctact cctacgtcca ggccgtcaac gttaaggagc ccaaggtctt ccagaccacc 960
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<210> 17365
 <211> 342
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 17365

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ccgtatacga aaaagctggc tactactggt aacagcagaa ccccgattca aaatccatta 60
caaggtagta atgtgacaag caaagaatgt ttcatgagca gaagcagaat tataacaatac 120
  
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tagttgctcg ggttatctat caaacagcca agcgaaacat gataacgatt ggtgggcaca 180
 taagatacaa ttactgtaca catccacatt acagtcgcaa cagtgttgcg ctgcagtgtgta 240
 atgcgtaagt acggtagatc aagaataatc aatctacaag agaatcatag cagcgccggc 300
 aaaaatggca gtggtaacat acgcgccaac ctggaagaca cc 342

<210> 17366
 <211> 352
 <212> DNA
 <213> Aspergillus nidulans

<400> 17366
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 ggtctcaagt ccatatctat tggtatcgct tcgttgtaca cattgacatc atctcttcta 120
 ggtatcatca tcatgaactc cataactaatg caaggtttta agcccccttcg gtttctgacc 180
 gagtccaccc caggttcagt tttcagtcgg ctggcatccg gcttcagagc attccctgag 240
 ccacctgctc ctggcggttc tgccacacat tcttaccgga gcacgagcat accgttttgt 300
 cgttgtccca gaccccgagc cttcgagcaa tcaccccaac caaggtattg ga 352

<210> 17367
 <211> 367
 <212> DNA
 <213> Aspergillus nidulans

<400> 17367
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 tactgcttcg caagcttgct ttgggtgcca aacgctgtgg catttctgat ggagctgatg 180
 acctcttccg caacagtgcc gcctgcaccg tagctgtcaa gcgacttttt gctgtacttg 240
 atgataaact gagaaccacc gcccatggtg agaacgaggg ccacaattgt tgagctgcaa 300
 attagagcca acttccagta tttgacgtag gcgataatga atgctgtcac gaatgtcgcc 360
 agggcgag 367

<210> 17368
 <211> 371
 <212> DNA

<213> Aspergillus nidulans

<400> 17368

gtggctgcgg ggcagttgat ttcggatttc caatccagct acggttcagg atcgcggcgt 60
gctgaagata gccataggtt ttgtgcttgg ccggacgagg ataagtggac gctacgataa 120
aagcaaattct aaaaaatcgt aaaatcgtat ccgggggttat ctgatatggt ttacatgagt 180
cacatggttg ctgcacaaga agcaatttga accagtgccg tagcacacag gatatatcca 240
acttgatttc gcaatttcat caaatcatac aattagcttt aagcgaaaag agcatcacc 300
aggcggtagt gcaccgtctt gatctgtgtg tagttctcaa gagcgtaaga gccaaagctca 360
cggccgagac c 371

<210> 17369

<211> 378

<212> DNA

<213> Aspergillus nidulans

<400> 17369

gcacataaag caacaatcgt gaagcctttc gtatcctaatt ttcgctttat gttgaacctt 60
caagcgcaca ccgccgatga ggggtgggct tggctaacg aggattccat taccgaaca 120
agtacaaacg tccaatatat ccctttcagg gaatcaaaaa caacaagtag caggacgat 180
cagagcagct cgctcccatc caattctaag cctgatcgat tcattccact aatacgtcta 240
acaatcccggt gggcaaagac agtttactcc tcatcaatag tggccttgta agccttaagg 300
tcgagcagcc catccacctc ggaggcatcg ctgacttcga tctcggcaat ccatgcctca 360
ccctccgggc tctcgttg 378

<210> 17370

<211> 392

<212> DNA

<213> Aspergillus nidulans

<400> 17370

ttgagcagac ggcgcgtggt gttaaggatg tccttggttg atctctatat accaagttgg 60
ttttgcgcag ctgttctttt gctttcattt ataagtctaa tggtaacgta tcgatgcttc 120
ttacatgata atatggacga caagtttatc tctctcgaga gtgaagtga cccgtcccaa 180

agttctgttt attccacatt gctaactcat acccatgtcc tagttgacta gcaacaaaga 240
 cacagcagtt ttattcaact aactaccaat gatcatatcc ctccaacagc cataatttca 300
 gccgaccaag caccacacac gaacttacac caaaagagtg agctgaggct ctgaactcag 360
 ttgccctcgc aatcaactgc accaccacag ca 392

<210> 17371
 <211> 404
 <212> DNA
 <213> Aspergillus nidulans

<400> 17371

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 tgcaaagtaa acgcaaagca aaatgggaga aggatgaagg atgaaagtta gtaatgcatg 180
 ttcggttgaa aagtaatgtc gtatattcat atgttcattt cgtatccata atcagtgcgc 240
 ggcgataacg gccttcagca tgccttgag cttggtcgct gcgctgggcg gaggcgtagg 300
 ttcacgtctg cgatggtgac ggcgcgcagc ttcatgctcg tctcctcggg atcggggagc 360
 ctcgctcttga cactcatccc ggcgctcacg ctcgtcacga cgcc 404

<210> 17372
 <211> 404
 <212> DNA
 <213> Aspergillus nidulans

<400> 17372

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 gttgcaaccc tttgaagtga ggtggaata ttccgaaaa cagcgccgaa ggtctttcca 120
 tattttaaga gcctacgttg agcttcaggg aaagtttgat aagatcaagt ggagatgagc 180
 agaagagcaa tatctatata cccaatggaa gccagacagg ccattatcgg tacctaggta 240
 taataatgct tttcgggtta ataatacaca tgcacaacgc aagagtaacc gcctatccca 300
 aaggaatctg caaatcatgc cattcgtcgc cggccacgtt tacctagctc caagaaatgc 360
 ctcgtaatcc tttgttgcc ctccctccct cccgtatata ggcg 404

<210> 17373

<211> 411
 <212> DNA
 <213> Aspergillus nidulans

<400> 17373

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 gggacttggg acaaggaccc tgttgctggc tgccagggtc cttactatag taaaggcata 120
 tatgtagtcg ggatttgcct ctacatgcaa ttaagcacta cgacacaaac tcatctaaac 180
 ggaaaagtgg acgtcagaag aaaatcatac ccaagttcat gcgagtctat aatgtcggta 240
 atgtcagtaa ccaccccaag aacaactgtc ctcatctgca gccgcaaagc gcgggtgctg 300
 gccgcgtccc tagatccac aacacgaata gatccacct aagagaaagg aaaggatgga 360
 aattatgtat agaaacaaaa cgaatcaacc ggtcgatgga atgccgaagg a 411

<210> 17374
 <211> 414
 <212> DNA
 <213> Aspergillus nidulans

<400> 17374

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 gcgctttttt gatagaagta catgtgactt tgagtatgct tttactggtc gttcattagg 120
 ccttattttac attatgtgcg attttcaggt aggcacatca tattacaagg acacataata 180
 ttccgaggag gtcaagagaa tctgtattgg gctagcagct ctttcaagct cacgtatgca 240
 taattcgtaa cggcattaga caagccttag aaatgcaggc tcgactattc cttttagcag 300
 cgttcttttc aatactgaac ttaatagcca gattccaatc cccccgaatg atggactttt 360
 cgtctgtaga gggacgcgct tagtcgaaga gaccgaagcc catgtcctca tcgg 414

<210> 17375
 <211> 415
 <212> DNA
 <213> Aspergillus nidulans

<400> 17375

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ccaactctgt cgccccgtcc aacgggtcat cgggacgccg ggtattcttc ccaacccaaa 180
 agcaggtcag ctaccggtac ccgctcgaag aagagatcaa gaccatcaag tatacagccg 240
 cacactcgga tctggtctct gactcggagt ctgggtcctg tgaaacaagc tctgacgacg 300
 actcggatta ctccacttcg agtctcgtct cgtccgatac tacgccctca gatgaagaga 360
 cgaatacggtt ggagaagaag aaaaagaagc gaaaataccg cagcaacgaa cgcca 415

<210> 17376
 <211> 417
 <212> DNA
 <213> Aspergillus nidulans

<400> 17376

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 ctttgctttc ctacatctgg ggcacatctt agattcatac agtcttgcag gaagtcgggc 180
 gaatattaca ttcccatcgc atttcgagta tatacatcga ggcttgctta agatgtacat 240
 acatacaata ttgaaccgct atgcatgcaa taaaagcac actcatccct gcaaagaata 300
 cccaacgccc tccccggttc ccatggccac taaattcgct ctcatcttct ctgccctttc 360
 cccgatgccg aacaccgcat cctccctctg caccaggct ccaacgccat gctgcaa 417

<210> 17377
 <211> 427
 <212> DNA
 <213> Aspergillus nidulans

<400> 17377

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 tgtatgaacg cggaatagaa agaggttata gattcttgtg gtggatataa atatgaactg 120
 tgctgttgga acttcgaatc cgggtgtttat tcagcaaatc tagaaccaat gaacttgaat 180
 agtcattaca ttttatctca tcagtttttt gtttggtgag tctactccgc ggcagctatc 240
 tctgaggag cacgtcgacg ctacagcggc ccttggttat tcttatctcc cttctcacc 300
 tctgcagcag ccgcagccgc agcagcagca gcttcccgtg caaatcgctc acgctcgctg 360
 cgaatgacac caaggacgtt ctccaggctt cgtcgccaca ccataagacg accctggact 420

tcggccc

427

<210> 17378
<211> 436
<212> DNA
<213> Aspergillus nidulans

<400> 17378

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agtttccagt atagaatctt catatgtgcc atcgtcaaca atatactcac ggctgacaaa 180
tgataataag taagatagga gaccccggtg aaccgctacc aatgcaataa ccagataaca 240
ggaaagcgcc agttgaagaa ggcgatgctt gttccggcta aaatccaacc agaaatagag 300
ataacaacca tgataataag acatgctgaa cagacttggg aaagataaat catgctagag 360
aacggatgag aaacaatacc gacgaaaaag tcacacgctg gaagcagttt gtaggggtat 420
caagcatgag gaggtg 436

<210> 17379
<211> 440
<212> DNA
<213> Aspergillus nidulans

<400> 17379

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agcctcgtgg ggcggtgggc agcgtcgacc ttgatacagc gtagagctag aaccgagagc 120
gtcacgtaac tatggaaagg tccatggaat tgtatgagaa cgaacactta gaatgacatc 180
gtgctgtctc ggtacaagcg ctaaggagct gagacgacga gagagaccaa ggaccgatgt 240
caagtagtca cgtgcttttg cctcaggcca ataactctgc ctgaccgtac tataaaattg 300
cacaacctac aaagagcttg ggagaaaaga cgcgtagaat gggatatcca tgtaaacaca 360
aaagatcata gtatccgtac atataagatc ttagaataga tctcgtatca ctcgtgcaaa 420
ttcgcttca ttccccagca 440

<210> 17380
<211> 440
<212> DNA

<213> Aspergillus nidulans

<400> 17380

gtggggagga atggggtggg tttggggatg attaattcat tcaattagag ccagtcattc 60
gacttagatc atgtgtatgt gtctatgtat ttatatcctt tgttaaaagc agtcattttt 120
gggacgtctc tcgggttatt gaaagataac actagacggc ttaacaaacc cagtaactga 180
gatcaaaacg atgtatatgt atatatacgt ctatgcgcgt cgtgtcttag gatgtaggat 240
acacagtaca caatacacia tgaatccacg cctagcagct cggaaccgaa agccctaccg 300
aagccaaaat tgacgtcaaa taagaatata acagttaaac ctaacagAAC catgggaata 360
cgtcaagtca atcacaaaag acgttgtcag gttgggtatc atcacaaagga aagacagcgg 420
tagcggcggg cgaacatgta 440

<210> 17381

<211> 441

<212> DNA

<213> Aspergillus nidulans

<400> 17381

gggcaaccgc tacgccatgt aaccttaagc cgctcgtatg tggaagagac attgatctgg 60
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tgtaagaatt ataagagatg atgtaagctc aagaacgcct tcaacaaacc cgtgccaaac 180
gcgccgtagc aacacaacca taaacaatcc actgctgtat caatgactcc gaaaattaag 240
gtgaggaaaa caaagcaaaa gcaacagaga agtgaaaagt aagaggctta tgaaaggtaa 300
aatacggtagc tgggttcacg acgacatcaa gaaaggctta aactcgagtg ttaaagtctg 360
ccgccgcta tcaactccacc aggggcttta atgcctcaac gccaatctgg aggatcaact 420
ggttccgcgt cttcttcagc a 441

<210> 17382

<211> 442

<212> DNA

<213> Aspergillus nidulans

<400> 17382

ccccacaca gaaaccggtg acagctcggt tgatttcttc aagaaagtcg tcaccttcca 60

tccgattcag cataactctgg tggcgcagga atggaatatc tccagtaatg gtggacagtt 120
 tggcctcgca ttgatcacgt tcttggtatg ctatctagct cgtcgggtata tacagagccc 180
 tgctaactgg gatagtagct cgacattctc gacgctacgg gtacattata ctcaatggcc 240
 aagtttctg gcgccatgga cgagcgcacc caggattttg aaggcagtgc tatggcttat 300
 gtaggcctct cacacctctc cgtgaaaaca tcgctaacta tagtagatgg tcgacgcaat 360
 ctgcatttcc atcggttctt tgttcggttc tccgcctggt acagcattcg tcgagagcgg 420
 tgctggtatt tcggaagggtg ga 442

<210> 17383
 <211> 443
 <212> DNA
 <213> Aspergillus nidulans

<400> 17383
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 aaactgcgtg tatacccgcc atgattgcgt ctacattgcc aaaggacgtg ggcgggtgtg 120
 tacaagttca ggcgctgtaa gatcaaataa taagcaatgg ctcatocca attagggctc 180
 gtttagataa ataggattgt atgctctatt tacgcactct aacaaaaata agcaacgggtg 240
 tccgtagaag gcataccacc ttcgtcagtc atctttacta agaaaagaaa acaaaatgat 300
 gcaaagaaag ccgttatgcc gttagttgag aaggaacctc gtatagaatt aaatttagta 360
 gatcagaaaa cgccccgttt ttgtttacgc agtagcaaag ctcccttgata tcagtttgtt 420
 tgccttggag ggcaagaggc acg 443

<210> 17384
 <211> 444
 <212> DNA
 <213> Aspergillus nidulans

<400> 17384
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 acctcggcag ccgaatttat tgtaatggcg tccgcaccta atcattaggg aatttgcgag 120
 cggaacggc agtgtctgtg ttgactagct tgtggagtgc agctggtgta gtcatagact 180
 gatggttaag gataacctctc taggtatatt ggtttaaaca atatcaataa tagtagtact 240

ctgtacactt ggcacaaaac tgccagtttc gagtaccatg tgggtacaag aagttgcagc 300
 tgtcatacat cactcgccaa agactccgcc atcttccact ggtataaagc cctgagcacc 360
 gctacacccc ccgactgtgt ttccaccgtc cgccccctgc cagcatcatt gtattccgga 420
 ccattatcct caacgcccgcc tgcc 444

<210> 17385
 <211> 444
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17385

tttttgagca attcagaatg agttgcctac tgtgactttc aatgataatt gccactgaat 60
 caccagaagc gcccaatctg aatgggtgctg accaaagtaa tatagggata ctgtacattg 120
 gtgctgtacg actaatctta ttctagcaaa gcatcatcat taggcgatac aaattcgtga 180
 gaaagattca agacccgaca tcggaaagaa atgcggccgt agcaaccctt tgctcatatc 240
 aggaaagtat acggaacgta acacagaagc ccagaatccc gcgagcgaac aaaagaaagt 300
 gtcgaatctt tcccaccgaa aaccaagaac agataaaacg atttgggaat cacaaactcg 360
 cagtctaatt caatcactgc acctgggtga cgatctcgct ggcgcgcgag agactctcaa 420
 ccatttgctg gcattccttc cgcc 444

<210> 17386
 <211> 445
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17386

cgggcttgac gcgctttgac ttctctctggg tttttgagag acttatagta ctccccgttg 60
 ttcagagcga cgagcttggt gtcgtaacag agcatctcga gcagctgggt gacgctttct 120
 tcgccaaggc ggacgggctg gataccactt tgattgacgg cggctgtgag catggcgatc 180
 gtagggatat ccgtgtatcc cgggggatac ggtaggtatt ccttttgaga gccttccttc 240
 ttaacggtcg ttgcagcact gccatcggct gtttttaaac gcttgtgccg cgacttatct 300
 gacgcaggca cctcgtacca gctcttcttg ctaacggaga actcgatgaa cccggagacc 360
 acgccaataa agttctcgtc aagtaacggc tcagtgaacc atgcgccgcc tgtgacgtct 420

tcgctaggag ctagcccggc cagca

445

<210> 17387
<211> 447
<212> DNA
<213> Aspergillus nidulans

<400> 17387

ccctgccggt gactgagacc ctcgctgtct gagctgactt gtgctctgcc ctttcaccta 60
ggagttagag cgaaagtaat cccctcgccc attgtccagg tcaatgcta tccaccaaaa 120
cggaggtatc ctggggtaaa ttgtctttca ttctcttttt ctttataatt ttgtatatc 180
tatataaatt tttttccggt tcaaacaagg attcgattta cacctcctat cgttacacaa 240
attgaagcgc ctccttctgt cgcatttgat cctcatcagg tctctttctt ttttatcttt 300
ctttctctct tcagcgctcg tccataaggt ccaggattcc ttctgagtgg aacggcctgg 360
atcacctccc tcactgcacc cgctgacact gcaaaaccac agaaccggag tggcagaaat 420
ggaaaccctc aaggctccca gcacggg 447

<210> 17388
<211> 449
<212> DNA
<213> Aspergillus nidulans

<400> 17388

ggcccgagct atgcgagcct gtctcgagag ccatcatgcc actaaggacc agcagcggat 60
gtctgcagcg gccatcgctc tgcatacggt acagcttgct actaacgcca atggcctact 120
attgctcaca tggttcttgg atacctgcac tttccctcat cgccggactg tattggctcc 180
gagattgggt ccccatctcg tgcacctgtg cagcacaagg ttgcgtacct gacagttctc 240
aaagtcatca accaacggaa cgagcctgag gcgcgcaata tcgtcttgaa agccctattc 300
tttagcccg gtgacgaggt gctggaaaaa atcctcagtg atcaaacgtc gggtagccacc 360
ctaattttta aggttttgac aacgccctgc ttcgatgaat caatgcgacc agaagtggta 420
aaaaatgtat cgaaagtgt caccaaact 449

<210> 17389
<211> 450
<212> DNA

<213> Aspergillus nidulans

<400> 17389

catgcactgc tcccgaacaa tcatgagact tttccagag agaaaattga ataggaagat 60
ggaagaaaaa agtctcgaga taaatactgg tgggggaaaa agatggaaaa ggactgaccg 120
ccggccaacg gttttccga gataagcgct agttcgtttc aggagtagcg gaactcggcg 180
atcaaataat ccggccagca aagcgctca caggaagaaa ttcagaggca ggaccaggag 240
gtggtggcag ataaccgtca ggactgtcag gaaattcctg gaagatatct gagatctggt 300
gctcgacgca gtagccagct ggctgaagggt gaggctgca atttatggtt gttggagggt 360
ggaagacaga agatctgtcg gcgccttcga ctcaccatt ttcctctcg ctctgccttt 420
tctcctctt cctccccct tggaagcca 450

<210> 17390

<211> 451

<212> DNA

<213> Aspergillus nidulans

<400> 17390

attgtttaca ttgtatacag tggattgctt acagaaatta tttcactttg ctttagtatt 60
tcaagtagag tctataaaca gtacgttgcg cgggtgggta gtatgtgcat ctactttggt 120
gccacgacaa atggaaggct tcataaagat agtcattctg aattcagata atacatatta 180
aaggcgggta tcgtgatatt aaacaaaaa gcaagccac aagatcaatc aaacccaat 240
cccaaatact actgttggtc atgccatcgt caatctcggg tttaaattgc ctccaccaca 300
cggcgtaaat cgcattgctga acccatctcc tcctggggc ggcgcgtagc gctaggccct 360
tcgccagcat tctccgccc cgctagttgc tgctgtacgg tttggtttgg cgccggaagg 420
aagatgacct tgctgttggc cgtcttagcc a 451

<210> 17391

<211> 451

<212> DNA

<213> Aspergillus nidulans

<400> 17391

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ctattctact ataaacggcg tgtaagcatc gcttcttaag taaatattag agctgtaaaa 120
 ttgttccaaa gtataaatat ggcatttcta cgggaccatg aaggaaaagg ttttaatacag 180
 aagggttctt caatcagcaa cacgctgcga tcccaggaaa acacaaagag atatcgtgac 240
 cgctagaaac ccgtcaaata tcccgcgtcc tcagaaatgg caagatcaaa actaagacgg 300
 atggctcagc aggtattcca cgcaccttg tacgctgccc cctgctcggc gaagagcttc 360
 gatgtttcgt tcgaattcaa agaagcccat atcgttgagc tgacgcagct ggtccgcgta 420
 tctctcttct ggaggcctgt tgcctgggg a 451

<210> 17392
 <211> 451
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17392

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 ggtatatcat gtcattacat tatgttctat ttcaagatcg ttgcaccaca cgtgcttgta 120
 tgctgcttct ttgatcccg ctcgaccagt gcgttctatg actatccgcc tgcgccgtaa 180
 aatgcgtaat taagttgctc caaatcttgc tttgatcctt caagtaagag attcctcgac 240
 ttgcgggacg actttacgca cgcctcaat atcgtgtgcg aatcggccta ggaacatgcc 300
 gtcgacggct tccccagac cccagggcc ccacagaccg gggccagcac tgcctccata 360
 cagaatgcga acgtctcccg atctccggcc gattaaagcg cgaagaccat ccacaacagc 420
 agagatgtgg tccacacttg cgggcttagg c 451

<210> 17393
 <211> 451
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17393

tgaggattatta tcagtctagg taccatcctc accaatctta gcatacgcatt ttttttctgt 60
 acttgtagcc tatcgtacgc catgcctcct tgcctaaagt tgtacgagag cttcgatcta 120
 aaagtcatca tagcattctc attgaagggt catgattagc aacgcgatag ttattgcgtc 180
 cgagacatac ttccgtatcc cttgcctcct ttttgcgatt taccaggtag agaacgggca 240

taaaatggac acaaaaacac gcaaaagtca tcataaagga tacagcaggc cattaactg 300
ctctttcgag tattctcttc ctacaccact taatacctcg gctgctgtcc gtacggaggc 360
tggtgaccgg gataaccagg ctgagatccg ggccgttgtc catattgttg ctggccatag 420
ctcccagacg cttggctgct cggtgggtaa g 451

<210> 17394
<211> 452
<212> DNA
<213> *Aspergillus nidulans*

<400> 17394

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ccatcagcag gtcttcttag agaaagtcca gttatgtcat tattcacgta ttcaataatt 120
ctttactata tactttacac ccgaaatgta accagacagg gcatcccatc tgccggatgc 180
gcacccctc ccccttttct tgctgatat gcccgatgcc cattgaactc cttgacggcg 240
tcatttggat aaatgtgatc ccacttatca tacgccggtg caatatcaaa ctgcgggagc 300
gtcatcgcta gtgcaaccgg cagctccaac attgccagcg tctgcccgat acaactccgc 360
gggccgaact cgaaggccct ccatgcgcct ttggctgggt acagcggatg gtcagatccc 420
acgagccacc gttcggggat aaatgactcg gc 452

<210> 17395
<211> 452
<212> DNA
<213> *Aspergillus nidulans*

<400> 17395

tggcgtctcc tgggtggagc ctaacggatc cttggcctgc tcttgatctc cagcgagtgc 60
aattgcgaca ggcttctctg tttcaggttg cataacgggg ccctggccct tgtgtcatt 120
ttccgaaatg ctagataacc tctggcggct cctatcatac ttctggtgct caaagtgtga 180
cccgacatcc cctatatcgt tcagatctga tggtgcattg ttgttttctt ccttagctgc 240
ctcagtctgt ttcgctgctt gtgctctcct ttgcatttgt gacttgcgta actgaagcgc 300
tttcataagc ctctcctttt cgtagaagt tgacgcagat agtgcgctca gcgacttggc 360
cccaggagaa agctgaggcc tcgaaattga cattgtagac gggggcacca atagaggggg 420

taccggcggc accttggcgg atggggttgc aa

452

<210> 17396
<211> 453
<212> DNA
<213> Aspergillus nidulans

<400> 17396

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tcgaacgcgt accgtgctat acatactaac tttccaacg ctcataaaaa aaaaaaaaaa 120
aattacaaag caaaaagaaa aacaaaaaac tgaagttgaa gtcaagtgtc ggtattacca 180
cccacgctta gccagcttgt cctcatcctt catatgcgaa acgtttatgc caaccattgc 240
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ctggacgatg gccttagcgc gcttctttgc atctccagat ttaaagatgc cggagccaac 360
aaagacacca tcacagccaa gctgcatcat aagcgcagca tcagcagggg tcgcgacacc 420
accggccgcg aagttcacga caggaaggcg gcc 453

<210> 17397
<211> 453
<212> DNA
<213> Aspergillus nidulans

<400> 17397

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aggctgccaa taagagtatc gagaaccacg tccgcgaaaa ctgagactgc cgtcatggga 120
acaccaagga cgaattgtat cgggtgtgct agaaggacaa gcgcgatttt ccctgcaaga 180
tatggaagcc agataccagc agccacggtg aaagagatta atagcgcaca gaaaacgcca 240
ttctgcaata agccgaaaat aggaccctgc atgccgataa gttccaggat accttcgaga 300
tcateggctt cttcgaccgc atcaacatcg ttctgggtcaa taccgggtag aatggcatca 360
acttctacat tacgatcatt ttctgggtgc tccaaatgct cttcgacagc agggcatca 420
atcaaatect cctcagcatc aggttggtgc ccc 453

<210> 17398
<211> 453
<212> DNA

<213> Aspergillus nidulans

<400> 17398

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actcttgtac caatatagcc ttctcacatc ttggaacata agacatattc tgcagaagcc 120
cacgatctat acaccgtaga agagtagata ccctgcatac gtgcctacat ttttcagact 180
gtgtatgaaa aaaatatcca tattcattct gcgtcaatat ccatacagga ctattgtcgg 240
cggcctcgcc aataaagaac aaacatctcg aattccagca aaaaatcccc aagggtctgga 300
aaccaggctc accccagatg cagaaacttg aagggtgagct acttaaagct tcccaacaag 360
aaagtcagca gcatccggaa catcatcaat gtaactaaga tgagccgcag taatgacgag 420
cgtgccctcg caaaccagat caccaaagtc aca 453

<210> 17399

<211> 454

<212> DNA

<213> Aspergillus nidulans

<400> 17399

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taagacaaac aatgtagata gctcgaagga aattcgtctc atcatggtca taaataaagc 120
cggccgcaaa caagcatagg cgtctagcga cagccgaaaa gcggagaggc gacttcagaa 180
cgctgcacaa gaaacagacc cagaatacac atcctttttg caagtcatca cgcaacttta 240
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attccatac ggcgcgagta agcgtttag tagagtcac aagcctgatg ctcaacaatg 360
ccagcgtgtt ctattagaga ggaaaaacca caatgcaccc cgagaaaata ctcaaccgt 420
agcccaactc aaccaacccc cgcttgctcc ttgc 454

<210> 17400

<211> 455

<212> DNA

<213> Aspergillus nidulans

<400> 17400

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acgcacagct cagagctaga acgaaaggga aaaaaaaga aaataggcgg aagaaaatcg 180
gccgcgaggg cacaatctaa tctgtcttgg tatcaaccgg tgcattccaa aatctcaaac 240
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tccagaaaaa catcgcaaga ctttttgggtg tcaaaactga tcatggcctc aactgggttcg 360
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agaacggcac gattgtgtcg atcgaggagg gtcga 455

<210> 17401
<211> 455
<212> DNA
<213> Aspergillus nidulans

<400> 17401

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taaatagttc catgcattct ctttaacca gaataattaa ggcaaaggaa aaaggcgaat 120
agactttggc ggggaatccg aaaggcacag gaatcttcta tcagatcacg aaattccaac 180
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gaatcgagct gcttcggggg cgctatggag aacgggttcaa gagaaaacga aaagcccaca 360
aggttatgac aacgcctccc tagaaaaaga agtctgcaaa agaagaaagt cgaccaactg 420
cacagccaga taattccatg aagctcatgt gccca 455

<210> 17402
<211> 455
<212> DNA
<213> Aspergillus nidulans

<400> 17402

ctggtttcac tcttgtaccg tgcactatat ggctaggaga gactttccag tctttctaac 60
atagcaatga acttaatcca aggtacatcc gaatatactt tgtaaccgaa catacttaag 120
tagaaccata ggactgctca aagatacgt tagcagaatt gtaaaactaa agacggatat 180
atataaagcg aatgccgcaa agttggtacc tcaacgccgt cccaccgtcc aaagagtgtt 240

agcgtgactc taaccaaga tatgaaagaa actacgccac cgcgccggct agatagaata 300
 actgaatatg acaagagggt gtagcagttg taagacgact cattttaaca ggacgatcaa 360
 gataacaagg atgataatca atccgatgat cgatcatatg ctccaattct ctccagcact 420
 cctgcggatc ttgtcgatgc gccgacgggc gttat 455

<210> 17403
 <211> 456
 <212> DNA
 <213> Aspergillus nidulans

<400> 17403

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 ggtggtaaac aagtgcattt gaatccttca aagcaatttc ccgcaccggt ctgtctctgc 120
 ctgacgggtat ctcttctcgg gaattccgag tctactttcc atcggccaag accatctcga 180
 tgacctttgc atgttgagc aggacctcgt cttcaaccg cctgcctatc aactgaacgt 240
 ggcattggtgc gccctcgatt tcgtctggtt tgtctgcggc ttatcagcat ctttgaatgc 300
 ggctgcgggtg cagaaacata caatcagggc tatattgcac gtcacgaata aactcggcgt 360
 cggcggcttt attagcatgc ccaaacggga tgaggcaggc aggatactat ttggcttagt 420
 ttattctttc catcagtaga atgagtttct tacgtc 456

<210> 17404
 <211> 457
 <212> DNA
 <213> Aspergillus nidulans

<400> 17404

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 ttaactccgc ccaactcaatg ctgtccgcca acttggtgca acgcccctgg tcccgaggt 120
 gcgcagcagc ctccccaaaga atatcgcgga ttcgttgac gtacatgcca atctcttttg 180
 gctgcaggta ggactgcttc gtcacatca aaacacgcag cgtctcaagc acaacgcca 240
 ggatgcgaga aagtgtttcg aaataagatc gatgaccggg cattgattta cggatgatg 300
 gaatatctgg ctggctgatc attgtgatc aaggctgatc ataggccaag gagaaatgac 360
 tattttgaaa tgccatggcc cacctgttcg agcaaaaggc catcgtcagt atctagtcgt 420

ccatggggac aagaaacctg gtacgtacca caccgc

457

<210> 17405
<211> 457
<212> DNA
<213> Aspergillus nidulans

<400> 17405

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cgaggtggct accacgtgac ttatagttaa ttgcatcgga gtataaaata atgataatct 120
ctagaaataa aatatctacc gtctataacc taacacagtg taatggaaac gcactaatcc 180
tcaatagcct gctcgtccat tgctgtaggt tcatagtgt cccccctagc acgacggata 240
acccgctcaa taccatcaag acccatctta agcacctcca ttttcgggcc gtaacttaag 300
cggacaaagt gatggcaagg actgtcgaac aggtcacgtc ttttcgccgg gttcaagtgc 360
aagaagatcc ccggcacgac aatgaccttc tcgctaagaa gagcgttgaa gaagttcaga 420
ccgtcagata tgttggcttc tttgggaagc ggcgggt 457

<210> 17406
<211> 457
<212> DNA
<213> Aspergillus nidulans

<400> 17406

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gcgccaggta agtacgcctc tgaaatagat gggatatagg tttgatactc tcaccagcac 180
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<210> 17407
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<212> DNA

<213> Aspergillus nidulans

<400> 17407

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<210> 17408

<211> 458

<212> DNA

<213> Aspergillus nidulans

<400> 17408

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caatcaacat ccacagcaaa caaccggagc aggaagaaag cccatgaaga gagaaatata 180
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cgaacagaag aggacatgaa aaggtaagac agcccagcga atggaaatta gacgctcaga 360
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<210> 17409

<211> 458

<212> DNA

<213> Aspergillus nidulans

<400> 17409

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<210> 17410
<211> 458
<212> DNA
<213> Aspergillus nidulans

<400> 17410
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tgagttttaga ttgagaataa ccaagtattg ctacggaacc ttaatctata gtggccgtgt 180
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<210> 17411
<211> 459
<212> DNA
<213> Aspergillus nidulans

<400> 17411
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ataaagacgc atgattccag caatgttata actcaaagaa gctgattaga tattaatatc 180
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aaccgccca cgcttttgta atttacacag aaaacatata aataaatttg cgcaacaaag 360
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<210> 17412
<211> 460
<212> DNA
<213> Aspergillus nidulans

<400> 17412

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<210> 17413
<211> 461
<212> DNA
<213> Aspergillus nidulans

<400> 17413

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aaaaaaaaaa aaacaagagc gagaaacgac ggtgaaaatg gcggacactg aacaataaag 180
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461

<210> 17414
<211> 462
<212> DNA
<213> *Aspergillus nidulans*

<400> 17414

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taaggatttg gcattgtcat agtaattgat atgctctgta ttagcaggag ttatgctatt 180
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gcggaccatg cattctttcc tccctctgca agcgatcctt cttcttccgc tcataaactg 420
cccgaacaac ccgcttaacc tgctgctcgc cctgcgcaaa gt 462

<210> 17415
<211> 463
<212> DNA
<213> *Aspergillus nidulans*

<400> 17415

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attgaatctg tattttggca ggtagtacc tccctgatgg ttacagcggg aagacagacg 300
gatacgttcg aagacaaaac caaagaggca gaactcgact ggcaggccct caggaaatcg 360
ctaaacttgg agatatcaaa acccttcctt gttttctcat tcacagcttg aaggttttgt 420
caattgcac tggctcagca aagatgcaat gaccagagcg cgc 463

<210> 17416
<211> 464
<212> DNA

<213> Aspergillus nidulans

<400> 17416

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cgatttaagt cttttattca taacttaata cagggcagcc aacataggaa aatatgatga 180
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aagcgccgta ctcaacggcg aggggtggcct cagcaatcat ctcaccggcg ttggggccaa 420
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<210> 17417

<211> 464

<212> DNA

<213> Aspergillus nidulans

<400> 17417

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caggcatgca gtgatgacca ggagaaagga tccctcatgc agctaaacaa aatgacagta 180
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agcagaaact gcatagaccg acatagttgc ccggtcctgt gccg 464

<210> 17418

<211> 465

<212> DNA

<213> Aspergillus nidulans

<400> 17418

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cgacaagaaa atatatctag caaatcggat tcgaaactgg gtcgtaggct ataccttgta 120
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<210> 17419
 <211> 466
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17419

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 ttcatatcac gaaagtccgg attaaaaatc cgtgggtgcct cagtagtcat agaatccttt 180
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 gctgtcgatg tcctcacgcg aaccaatacc agtctcaagg cagatgatcg cctcattgat 420
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<210> 17420
 <211> 468
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17420

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 tctttagta aggagcagct cagaaagttg cggggaaatt cccctatga tgagaccacg 180
 gtcaagaatc aaaatagaaa cacaggactt gcttgattag ctacctgga gaactaagaa 240

tacgaagaca cgaaatcccc ctcaagaacc cttctatatatt ggtaggtact tcgatacgaa 300
taactctccc atatcgcccg ttcacgatat cacggatgag ttgacaagtg catcgcttcg 360
acacggggcc caagtccagc acgccgaacg aaggaagtcc aacaccatca tcttcgcagt 420
taggctaatag caacgaatat gtgggtaacg atagacgacc cgtcgcgg 468

<210> 17421
<211> 468
<212> DNA
<213> Aspergillus nidulans

<400> 17421

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aaatcaggcc tctccagcta gaacaatact ttagtttgtg caacaagcat gaggtacgag 120
tatagacaag cataccctaa atggtcgctg cgaaagctta gtaaaccggc cagacaatta 180
ataatacggc catgagttcc ggaaactcac tctaggcaga ctaatctcgc cagcaagatt 240
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acaccattt gcagagatg caacgccata accacgccag cagatcgat tcaaaagatc 360
caccacagca ccaaccaaag gaaaatccct gcgcagatga cgatgccggc aaccttcaga 420
acagcaaccg tgtcacctg tctcgccatc cttgtaagcc ggctcgcg 468

<210> 17422
<211> 468
<212> DNA
<213> Aspergillus nidulans

<400> 17422

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gtttcaaacc aagctttgag caatatagaa tagtcccgaa agtgcaatcc cagaggatgc 180
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gtgccgtaca gaaagctccg ccataccgct tccccaaagt gccaaaggagt gacgcttctc 420

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468

<210> 17423
<211> 469
<212> DNA
<213> Aspergillus nidulans

<400> 17423

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tcgcaagctc aattccaaaa atagtagctc ggaccggcca gataacccta gaatatgagg 420
ggcacgagtt gggcatgatc cttcatatctt aacgcagtcc cgggcgctt 469

<210> 17424
<211> 469
<212> DNA
<213> Aspergillus nidulans

<400> 17424

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gctgccaagc ttcgcgtaga agtcctttcg gtaaggagtc gccgacatgg ccgcggagaa 420
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<210> 17425
<211> 470
<212> DNA

<213> Aspergillus nidulans

<400> 17425

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cggcctggtc gaaatctcgg acaactcata attcaciaag ttagctgaaa gttttgggtc 420
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<210> 17426

<211> 470

<212> DNA

<213> Aspergillus nidulans

<400> 17426

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<210> 17427

<211> 472

<212> DNA

<213> Aspergillus nidulans

<400> 17427

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<210> 17428
 <211> 473
 <212> DNA
 <213> Aspergillus nidulans

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<210> 17429
 <211> 473
 <212> DNA
 <213> Aspergillus nidulans

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aaacaccgcg gaaggatgag atactccagt cgaagtaaga tcaggctgca gacgcatgaa 420
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<210> 17430
<211> 474
<212> DNA
<213> Aspergillus nidulans

<400> 17430

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aaacgttagt ggcattccatt caagacagct ttcccattag ctgcgcctc cagaaggctc 180
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<210> 17431
<211> 475
<212> DNA
<213> Aspergillus nidulans

<400> 17431

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gatttcaccc tatctacctt catgctgatg cccaaaacac cgaaggaacc tgcagaaaat 420

atacggctaa tatggaaaga tgggttctaa gcagcaacag acctcacagc agggc 475

<210> 17432
<211> 475
<212> DNA
<213> Aspergillus nidulans

<400> 17432

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cattttccag agtggagtggt gtcaagttct ccagctttct tcagctctct agcaaaaaaa 240
agaatcaaga gaacctgcaa gtctaaaagg tgtttgaaat cgaagcaact ccgaaccatg 300
cattcgcaac aaacgcccgt tcatgaccag aaacacagaa accaataatc ccaagggtca 360
cagcaacaaa agtctaggta ccaaagaaat gttgactcgg tcgagtcgct gaccaagatt 420
ccaagttcag tggtcgtcct tatcggttga cttcttgggc tccttcgaca gctgc 475

<210> 17433
<211> 476
<212> DNA
<213> Aspergillus nidulans

<400> 17433

tgcgcgagca tctgactacg aaggaacaaa atatgaattc ttcatttgtg atgggtgacg 60
attggctact tttattgaac cgccattaag acatgtgctt gggcagagag tcagtcgacc 120
gacagactac acttgctcat gaatacaaat aatatcaact acttcggttc agatattgaa 180
gctatggcct ctgattgtat ggaaaacaac aaggaggaaa agggcaaggg gtcaacgggtg 240
gaaggcgata agtgagaaaa cgtggactaa cacattgtat cttgctgggg tgggaataaa 300
aaagagagaa taaaagagag atagataacg tccacttcgc ccctttcctc cgctctccga 360
atgtcaaact ccgctggccg acccagataa ttccgaacaa gtggaagata agtgccggtc 420
caaacctgtc acgcagctaa aaaagacctt tgcaaaacac ttccaggggt gtattc 476

<210> 17434
<211> 476
<212> DNA

<213> Aspergillus nidulans

<400> 17434

tcctccagac actgccagcg attaagtagg aagcctggaa aaatgcagtt cagccactaa 60
tccaggctac atatggtaca caaggaaggc cgtaaagtaa gataggggtg agagcctaga 120
aagtatatct tggaacatag atctgaggag aagagctgaa ccgataagga caagagtgga 180
tttgggggtat atcaacaaga aaggaaattg caggagagcag taggtagaca tgtataaata 240
gaagcaaattg atgtatgagg gagaggcatc acgcagctga ataccaacgg tactctagca 300
gccagaagtg gatggttaacc atgagaccct gaaggagagc acggtgttga caagatcttc 360
gtattcgagg gtctgttttc cgtgtacctc acaggtagg cagccggaat gcatactcat 420
actcagattg atcaagttag gtcaaagctg gaaaagaact ggtcctagag gctttc 476

<210> 17435

<211> 476

<212> DNA

<213> Aspergillus nidulans

<400> 17435

gcgttgggag gcgtcaatac ggtgcagagg gtaggcctgc aacagtggct tcaaactgag 60
ctcctagccg tattttggtt ttgcaggcca tacgtgagag gatgaactcg aagagaacga 120
gttcatgtaa ttgtgaggct tgttgccaga taactaaata ccatggcgtg cctctcatct 180
gaaattgatg gtcgatagag ctagtgcatt cattattacc accacattat taccatact 240
catatccaga cccacatcca tcaacatcgt atcgacatat aacaggtaac atgatcaagg 300
agatatcata aagcgtcaaa acgtcctggt atatagcaac tgaagacaag acgagctagt 360
caaggagctg gaataaggcc accaccaggc tgaagaaatc aacggtataa ggggtataat 420
actctttcca aaataccaag ctatttttat tagttttttg ggggcgtttt ggtttc 476

<210> 17436

<211> 477

<212> DNA

<213> Aspergillus nidulans

<400> 17436

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agaaaggaga gaagaaactg gtttttgacg gaaācaaagc aataagttga caaagtatgg 120
 accgatcaag tgccagatat ccggaactcc cctcactgtg aagaaaacgc tttttggtat 180
 tgaacggtgg atgtgacgtg taggaacatt tttctcattg tccatgagtg ttgtaagggt 240
 ttctcgcaag gggcgaggat tccatcttct atctgaagtg ctttctcaaa aaaatagtat 300
 taatccatca tcatcgaaaa acgccacgtt gcaatcgtcg tcgctccaac tccgttgctg 360
 agacgtttac tttcggcgga aagagcagcc ctcggtgaga cgggccttgc caccggtggg 420
 ctggcagagg acagtagagc agccggagca cacaacgacg gtctgggctg gggagaa 477

<210> 17437
 <211> 477
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17437
 aaaaagtgag cgcaagtcac tgatttatat acaggtctct gggaatttgt gaataaaggt 60
 gatccaccag ttgttggcct tacgaagctc ggcaatgggtg tcacattgga gagcttgaag 120
 cgagctcgaa gaaaccacc tctaggaacg gacaaattgt ctaaaccccc gaagtccacg 180
 tctcaagcc catcggcac gcaatagacc cgatatatca ttcaaactat taactttccc 240
 tggttcaagc atctacgcac caatcccaga gccaggccca tacccttgtt ctctcctaga 300
 cttggcgga tcatgttcgg tttcgtccta gtatcatgta tattaccatt agcttcgcgc 360
 actcttgttt tatcgccaac tacgaagatg tcatataaag gagtttatag gaaagggaa 420
 ataccgaact ctcgttggta tatccagtta tgccagaggt gcgctctcca agctcga 477

<210> 17438
 <211> 477
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17438
 aggggtgctgt atcgacaatt gcatacttaa tatcgatgcc tctcgcgta ttctatgaaa 60
 tctgctactg tgccgcaagt tttattttcc gatatgtgct aacttttata tgtattcgca 120
 tagtggcaca gaaaatagtc tttttactgg tcaattctta tctttcattt caccctctc 180
 cttactata ttggctatgc atttccagc atccgtccct aaattctcaa acccactaat 240

aacaccgtct cggtcgccct gacccatctc ttgactcatc ttgaatttcc cctgtaagcg 300
atcaatggta atctcaatcc cgatgatggt cttcttcagg agctcaacat aggaaacagg 360
tgcacagac acctgccatg gagaagaata tttcatgatc gacgtttcag actgatgtga 420
cagttcctcg atttgctttt gcaagaaggc catcgtctct tcagatttgg agtcgca 477

<210> 17439
<211> 478
<212> DNA
<213> *Aspergillus nidulans*

<400> 17439

cgacatttga gagctcgcg ctagagatac cacttagtgc ctaggtggca gacgaatata 60
cactgtatgt actccgtata tttctcatag atgctatatg aaatgacaaa ctgatatata 120
cacattacac ttttagggta tcgaatcaaa ctctttgacg ccgaccgaac gctgaggctg 180
gaaacataat aaacgctgaa gcgctcaacc cgacgaacaa gaaagaagga agaaagagag 240
aaagaaagaa atagacatgg cgcgtatctc tttgcatcat gaacgagaga aaaggaagtg 300
ccagtgggtt gggggtaggc aggtaggtaa gctaagccca cctccatccc gaacccatcg 360
cctcctggct atgcatcacc gagaaaagga tactatttct tggctcagtc gattgtccag 420
atccgatcag cccgggagag ggataaccat ttgtactccg gcccatatcc agattctg 478

<210> 17440
<211> 479
<212> DNA
<213> *Aspergillus nidulans*

<400> 17440

cccgaatct tcgagcaatc gttctccatt gtagatagat ggccatagta tacacaatct 60
tactactcta aaagaccatc ggtaatttag tatcgtctat tctttgagct aaattggaag 120
caccatgcta tgcaaatata cataaacgta agaagaaata ataaccatta tacagcgggt 180
atcatgcttg caagctcgat ctctttttgc ttcagactgt ctgttttcat gcggtctccc 240
ccaccatcct ttggattcgg ctaagcaaca ccttactctc cctccccaac cttctcttcc 300
cattctgata cggctcgctt gctcgagcca tcgcctctct atccttggct ctaagctctc 360
gcagctccct cttcttctca gccgcttgcc tcctcttctc tgcaatctcc agttcttttg 420

cgaacgcacc ccgctttggt ttttggattc ttcgatctcc tggtttccta tccgcctgc 479

<210> 17441
<211> 480
<212> DNA
<213> *Aspergillus nidulans*

<400> 17441

gttacggtta gaagcctcaa ggtgatagga tgtgtttcga caagggttgt gtctccatt 60
ccaaaccttt atatgtgttt tgtttggaaa atcgcgacca gtagaatcat atgtgtatat 120
atgtgctcac gagaaacact caacgaacct caatgcaaag taaataatag tgtccaaaat 180
aaccgagcac ccaagtatcc aaaacgccga atgccttata gcactaagag tttgggtgta 240
aaaaccgaaa cgatcaggca tataatagat attcaatgac gaataatgaa aaaggagtgg 300
aaatgagggg gcggcgagaa cacaattgct tagcgggtcta attgtgctca atgggatcct 360
caggcagaag aacccttcct ctaccttctc taggaaggca agccttcagc ggtgggcgga 420
cgatatcggt gaacaagaat gttccataaa caagcagagc gaaccagct acctgcagcc 480

<210> 17442
<211> 481
<212> DNA
<213> *Aspergillus nidulans*

<400> 17442

aatatagtag attaactaca cctgccattg agatccgtca agcacattta aaaccagttg 60
tacatagggg atagacacgg tatgcgatat acgatcagtt gaatatacgg cctcgcgagg 120
cagaaccacg ggaaaaagaa aataacaaga taataacaaa atagaaataa aaaaataata 180
aaatgaaatt gattggcccc tatcatggct gcagacacta gcagtcgatg aaaaggcata 240
gcattcttgc atctaagggc atcgtctatc ccacctcaa taagccttct gtactaaggt 300
actagaagta cctaaccac cgtcagtcgc atacaagcaa accaaccata gcctagttaa 360
acaaaggtgt gttctcatca gccacagccc cagagtcctt gccaaccca tttgcagtat 420
cacttgctcg tccggatcca gcccgcttaa tcttgacaaa tgggaacctg gtctgcttgg 480
g 481

<210> 17443

<211> 481
 <212> DNA
 <213> Aspergillus nidulans

<400> 17443

tccttcaacg gcatccttct accgaaagtt gtttggaacg atataaactg tcgaaaatag 60
 tggacgttta gtcgtcaata tgctaggaaa aaatgtctcg atctttttct gacacattgc 120
 tgatttcgaa gcagaagaag cgtaaatagt ttctcgggtg aaaggaaatg acaagggcat 180
 gttgaattcc attgtcgcag agcatgagtg gaattgtagt cgattgaaca tagctaagtt 240
 ttatggtaga cggtagcttc accggcgata cggaccctg tctaccgct ctctatagtt 300
 ggggctgcga cttcgtcttc tcgacggaat ttccctcgaa taatcgagct tgctcgtttg 360
 gtgagatttg tcataataag agccacgcct gtcagaaata gcagtcacct gatccctatc 420
 gcggttccgg tcgcttccgc cgtaattggg aacgtaggaa tcaacactcc cttccgggcc 480
 g 481

<210> 17444
 <211> 482
 <212> DNA
 <213> Aspergillus nidulans

<400> 17444

taattggttt tcgtctatcc gtcacttggt cgagcttcta ctggggtgat tcggagtgtg 60
 agatcatgca gtaagtcgga ctatttgaac ttgacgtctg tactcaagtg agaatcaccc 120
 caatctgcta cagcaatcag cgaggtgtaa gatacatact gcttgatgat aggagaaaaa 180
 tatggttaca taaatgtcct aaaagtacag taaagatcgc aacagacggc tggctacaaa 240
 agcaaaacac acaccctctt taatccgctg tcctcatcag aaacccttc agaaagggtg 300
 ctcggtcaat gatctcaaat cccagactcc gccccacgc aacaggcccc tggccgggca 360
 cgttataaag cttgtgcagg acatcgcagg tgccaccgat ctttgcgctt gtggcggtacc 420
 gctcagccgt atatctctcg agcgtgagga tatcgccctat gtccatcca tgcgtcacag 480
 cg 482

<210> 17445
 <211> 483
 <212> DNA

<213> Aspergillus nidulans

<400> 17445

tctggccgaa aggcgaggaa agcatctctc ttttcccga tcagcaacgg tataaatggt 60
tccagtaagg atgcattgca tgggggatgc taacatatag atacaacagt cttgaagcaa 120
gttttggctc ggtttcttcc tgctttggaa ccagtgccaa gttgataacc tgatggatag 180
atagatacaa acgagaagaa acagacaagg caggagagga cagaagacct tccgaaagga 240
gaagaaaact gagagaatgt agagctcgaa cagcctgggc aagtcgatat gagatcaaaa 300
aaaatggaat cctaagacgg atatcgcgcc caaacacccg cttagcctg aacaagacga 360
aacgacagta aacagacagg aaagcatatt ttgacagaaa tgtgcttga gcgggcgaga 420
aaaatcaagt tgagtcgtga gatgataggg catcaagaaa cgcgcaatgt aaggaagtaa 480
agg 483

<210> 17446

<211> 483

<212> DNA

<213> Aspergillus nidulans

<400> 17446

aatacttcat ccccgagat ggtattagcc gagaagtaat tcaggccgac atctgccgtt 60
accttggaat tgatgcttta gtaagacctg gaaaccacaa tgtccgtctc cctgatcctt 120
tgactgcgac cgcgtacagg cgccagagag attggcctcg atgaatgaaa caagcgaggt 180
ctcgttactg acatgcgaat agggtcgctc gggattcttc attcgcgctt atcgaaacct 240
cacatcagta tgctccttcc caaactctat gttttgggaa ggcaaaactaa catctgtgtc 300
ttcaggaaat gattgctgat ctcaaggcgg actccgcccgc tgggaagcag acgtcagaag 360
tcgtgctgac caaggttatc cccggggcag ctacatccag gactacagct actctcaacc 420
tagccgggct acaccaacct actcaacctc tatgggaagt tccatgcacc ctgaaatgtc 480
cca 483

<210> 17447

<211> 484

<212> DNA

<213> Aspergillus nidulans

<400> 17447

tccccggggtta tcgtcgggtct aacctgatta ggtgggtagt ttacttcagg tccgccagcc 60
ggaccctgaa attatcactg gaattcagaa atacattggg ctttgatacc tcgaaatcat 120
cccagatgga tctgggggtta tatataagta tgctaggtac atgtacacag cggacattaa 180
aaccgggtcta tcagaccaac ataaacaaag cagatatggg caattcctgc aatacatatg 240
cgacccccgct ccgagcacca aagacccaaa tgaatggaag aaacaatgta tggctaattct 300
aagcagaatg atgaaagtat gtgcaggcga tggcacggat agcttacact tccttggtcc 360
gcacggtcgg gaatttgggc gcctcgatct ctgtctctac catttctagc ccagaaagac 420
tcggaaatcg ccggctaaag ttcttctccc agtcacgcgc tgggcttgcg gggattcctt 480
gtgc 484

<210> 17448

<211> 485

<212> DNA

<213> *Aspergillus nidulans*

<400> 17448

gaaacccacc gggggaatga aaaaggaaat aacgtaacaa cgaaaaagaa ggaacaagaa 60
ccacggcaac catagaacag gagcgaaatc gaagtgattc tctagacgac atgggactat 120
ttgaagatga tgatgaatca gctccgtttg agaaacagcc cgaatgaatt gtttgctcaa 180
agcgaatgtg tggttcagtt aagaagccag gttgaataga tcagaccagc agatcggggg 240
aaaaagaaag tttatgaagt tcggttggca gccgaggcga caagtctttg agcagtgaac 300
atagacatgc aaacggacac gcgccttaag ttacagaccg aacccgaaa ctgcgcaaag 360
ccccaaggta gacagatgtg cagaagacat gcgagaaatg aacgcgtagg gtcttgcttg 420
gatgtatttc gatgcaagga taaacaaatt gatgaaagac acaactcgct caaactgaaa 480
tcact 485

<210> 17449

<211> 487

<212> DNA

<213> *Aspergillus nidulans*

<400> 17449

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gctgcatata atgcaagtta tatattatta ctctagattg ccaatgttta gattagcatg 120
caggacctag cctgcagacg agatgctgag ctcaaaaagg ctctcgtgtt gaataatcgc 180
tcccaagcaa cgccggtaca tccctcccag tggatatcatg ttgaatttat ccgcgcaacc 240
ctgatccccg cagggaccat gcaaagaaat agtcagacag taggaaagga aacaaaatgt 300
gctttttgtt ttgacatgtc tatgctgcgc tttgagttgt tgaaacaaag caggaatcat 360
tacaatcgta aaaagagatg aggaagatat gtcatagggg attcaagcct aagcgacgag 420
cttagaactt aagggccttg ggctgctccc aggagaactt ctggttggtg aagtggccgt 480
tctgagc 487

<210> 17450
<211> 490
<212> DNA
<213> *Aspergillus nidulans*

<400> 17450
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ccccaattat gagaccgcg catgctgtta cattgcagta tatcttctat ggcacattct 120
aggaaccatc taaatcctgc atgtccaatc catctcatca acataaaca gcgaaagcga 180
tcagaacgaa aacaaacatt ttttaaacag cggttgaagc acagaatcaa gcagtctccc 240
ccctcatctt cctgaagaag tccatcactc ccgtaaacac aacaagcagg ataccaccac 300
ccggacccaa ccgcagcacc ttaggcatga atcccttgta tagcgcgcca aaaccttctt 360
ccttcatcac tgtccccaca gccggccaag ccagttgta cttgggcgct tgccccgcga 420
ttttagggtt attctggata cgcgacttga caacgtccat gggcgtgttc aggatcgtac 480
cggccgttcc 490

<210> 17451
<211> 491
<212> DNA
<213> *Aspergillus nidulans*

<400> 17451
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ttagatcacg tggctgatat caggtggaga cagcagcaaa caatggaatg tagcagccaa 120
 agtaaaatga gataatgctt atgacgattg gatattctagt ctattttttt gtcctatcag 180
 gatagccagc tgcccgattg atgtctcccg gttaatatcg ggatacgcgc cacctagcga 240
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 attaaagtgc cgtctttttc tgggtggcct tcgggcagtc caagttcctt tagcttgacc 360
 ttgcccgctg ctaactcgtc ctccccaaga atgacagcaa gcggaatacc accggcttca 420
 gccagcttga attgttgccg cagctacggc ttaacagtct gggcgaattc agccttgatg 480
 cctgccttcc a 491

<210> 17452
 <211> 491
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17452
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 gtatatgcgc gtgcaatgat gtgtcgttgc tactatgtcc tattttctta gtcgctacgt 120
 cagtagtgcc gtgaatgcac aagctacaga atgacagctg gaatgagtag aggattgtcc 180
 attaattcgc tgtccaatac aacaatatat aacgaatatt caagatgacg caaaatcgcc 240
 aggatgctca tgaccgatga tgtagcagta gaaatgaaca cattcttttg atgaagcaat 300
 acaagtgtaa gaaagaaagg aagagaaaaa gggataaatg atatatcttc atatatgttc 360
 agaatccggg tgatgacagg gatcgtcacc ttgagttgcc gttcagcccg gcacggacgg 420
 cctctagaat cagatccctt gccttgtcga gggtctcttt actacccttg atttcgatcg 480
 cctgcctt g 491

<210> 17453
 <211> 492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17453
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gcaagggcaa gtcgcaaggg caagtcgcaa gggcaagtcg catcgggcaa actgtccatt 180
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 cagaccttct ttttcgagtc tttcagcctc ggtcttgaag cccatttcta gccatatctc 420
 gtggaggact gtggcgacta cgaagccgcc cggcttgaca aggcggacaa actctctcag 480
 ggcaggtcc gg 492

<210> 17454
 <211> 492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17454
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 cttgataata ggcttctaca tcgtacatta tacagtctgc acagtcacaa ctgtaaaaat 120
 agatccggca agcgcgcctg gcgttcaatt cgtgccgtta cctagcatac cgctcatctt 180
 cccaaacgta atatgtgctc atattcgaat cagagcgcag gagccgtaga gcgacatagt 240
 cgccctcagg ctaaatggtg gaacccaaat ctcccaataa acaacgcacg atggttggca 300
 cgagagccca ggagaaatca gaaacacatt acaacaaacc tggaatgaga agataaaatg 360
 aaagccccaa aacataagta gagaggacat gcttgaaatt gcattgatga accggacaaa 420
 gtgcaaggat atgaccccaa caatggaaca gaaatcagaa ggaaaaagga aataggcagg 480
 cgggaaatgg gg 492

<210> 17455
 <211> 493
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17455
 ggcaattcat gggtcggttg agagtcaaag cgaatatttt gcgattattc atgttaatgc 60
 atgctcttac tggtcagaga aaatatgcta gttgttaaga agttttctgt tatatctgat 120
 ccttctccag ccattttctt tcagataaca agcagcatgc ttttcaccac gccgtatcaa 180

aactgcagac cgtaaccaac caagtagatg tatcataatc aggacacggc atattgggaa 240
tcaagtgaga gaggcgagac aggcgtgctc aaaatatatg tacaagcgaa agataggcac 300
ctgccacaag aatagaacaa acgcagcagc gtggacgaga cgagattaaa caaatatagc 360
attaaatcag agagatcgca cattgggaga gcaatagatt cgttcaaaga gtccaaataa 420
ggtcgtgagc ggagataatc agagtagatc gctctgaaga gagggtagg gagcagcggg 480
tagatctcgt cga 493

<210> 17456
<211> 493
<212> DNA
<213> *Aspergillus nidulans*

<400> 17456
cgagtgtctg cagcagagggc tcgtagtcat tcgcagcccc ttgaaggctg ggtacgaact 60
gggcttgtgc aggcctattc actccgggag cgtgagcaat tagggcacca gtcattgtga 120
tgccagggct ataggtaaag ggtcgcagac tagaggatga cgggcgctat gactcttggg 180
ctcagcttct cttatttcat taaatatctc atgaaagcag ggattgtctg tcaactgata 240
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tgaacaatag catctgcact acggccagta gatggctgca ccttcccagc actctgcctt 360
ttgccagctg tacgattata tctgtttgat ccagttggcc acgagcgaca tggcagctctg 420
cattatcggg gatagggctg gcttttgctt tttttctatc ttacttttgt ttctttcggc 480
tccgccataa ctc 493

<210> 17457
<211> 493
<212> DNA
<213> *Aspergillus nidulans*

<400> 17457
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agatctaact gagggtttca tttggaatat agcattcaat caatcttgat tatattgact 120
tcataaccct tctagagtga ataatgatta ccaataaagg aaataggagg cccatcaagt 180
aaaagaccgt taaaatttag ataaacacca ttcataaaac ataagaggaa gtaaagttca 240

aggaggtgaa aaccatctaa aaccctttga tgcacatctc atatgcctcg gaaatttatt 300
catttcttcc ccttcttctt cttttttcct ccaccaggac tcttttgtcc tgcgctcccg 360
gcctggatcat cagcctctac aagcaccgca tcacgctcac tctccgtaac agtcgggtgcg 420
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acctcaggcg ccg 493

<210> 17458
<211> 494
<212> DNA
<213> Aspergillus nidulans

<400> 17458
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cgcggtttca acagttgcac ttgaccgtca attgactaca catagcctat atatgtatgt 180
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cagtcctcta ttaaataagc agtgaggcac ggtgatggat cacctgtagc ctgcactgag 300
atccatacca tcaatgcagg gtgaagaacg tcagaccggc cgaagcagaa aagcgttcag 360
agccaagacc cgccattga gatgggtgcc ttcgctgacg aacaagatga gctcaaacag 420
agcaagatta tcgttcaact ctatgagcct ccaagatcgc tgaacatata cccaagcgc 480
caacagaaaa agca 494

<210> 17459
<211> 494
<212> DNA
<213> Aspergillus nidulans

<400> 17459
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tcgagagtgc caaatgtgtt aagaaaggta gtaagaaatg caaaagggtt caacatggcc 120
tggtgacgac aacatttgaa ttacggtata gctagataaa acttcaatca ttcccgcgca 180
aaatatagtc caaattagag aagcgaaacc attctccaag cccagatatt cgtagtacct 240
gccagtcata agtcatcatt cattccttcg tccaatgcga catcgacata cccttccttc 300

gtctgcttgt ccatttccact tccagcacat aatgcgacga ctccaataac caataatgaa 360
cgacgggaat caaaaggaga gtgacatgac cacttatttg tttagacata gacgtattca 420
gagacgcgca gcaaatccag aactctgtaa tcggaatgag caacgtgaca gaaatgtaat 480
ggaatcagtg aagg 494

<210> 17460
<211> 495
<212> DNA
<213> *Aspergillus nidulans*

<400> 17460
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attcatgcgt tccctataac tgagcctgac aagatgcgca aggaatccaa cctaagaaac 180
atgaagagaa tattgtaaag aggccagatt agagtcgcaa acagagaaca aaaataatga 240
aagcaatgag gaacaagggtg tcggggtagg gagcaagcag agaaataagg tgctgaccct 300
taagtgttcc tgtacaagac aacgagtaag agcccgacta agcatagcga gaaaagagat 360
acactccac gtagtgtttt ccagctgatt aaaaccgtca acaccatccg tttgtaccgt 420
gattagggat ggacaaagac atcgagcttc gcagagaata tggagggtccc acggatgctt 480
ctgtgccctg tgcca 495

<210> 17461
<211> 495
<212> DNA
<213> *Aspergillus nidulans*

<400> 17461
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aggaccgtgg ggagacgcag gaaaattatg gatcagcggc gacgtgtgac gtgagctggt 120
tgcaggcgct atcacggcgc attcacttcg gaaagtgtgt ggccgagtcg aagttccaga 180
aggagacgga aaagtgtgtt gcgctgatta aggcagggga tcgcaaggaa attgatgagg 240
cgattacgga tgcgaaagtt gagcaaaagg tgctggagcg gttggcgctc aaggcaaaga 300
cttacgggac agatcctggc tttcctgagc agtcggggcc gaagattgat gttcaggctg 360

tgcaggacat gtacaaggta ccttccctct tacctcacc tgccgttcat gatctaata 420
agaacaggaa tacgttatcc ctttgaccaa ggttgctgaa gtagagtacc tgatgcaacg 480
ccttaagggc actca 495

<210> 17462
<211> 496
<212> DNA
<213> Aspergillus nidulans

<400> 17462
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gacaatgctg ctgtggccat gctaggcttg ctttgacgtc gatacccaga cgattctgtt 120
taagcgatga agtgggtgct ttctatgttg gttctttcct cagaagagtc agtttttatg 180
gctgttttgg tctatgcaa tgtctatttg tccgtctatc agaccaggtc tctttaactc 240
ttaaatacata gtcccaaaag gtggtttaag gtattccac gtatataatg ctgcaatgca 300
aatgtcggta tggaattgcc taaggacatt acaatttctc caagatggca ttgtcctctt 360
cccagagtct gtaattatga atcgaaggcc ttcctaacag catatcataa gggctgttct 420
cgatgaccag aaactgggtc ttatattgat gctggccctt gtagagatgc catttgactt 480
gaatggtccc aagcgg 496

<210> 17463
<211> 497
<212> DNA
<213> Aspergillus nidulans

<400> 17463
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cttgtagaca agccatcgcc tctacagtac gggattagag taaagggaga tactaaattg 120
ctatgcaggt gcgatcacgc ttcagggtccc attgaatcta actacaaaag tctacataat 180
agcgagaatt gtgcccctat cctaaggatt tgagcgggcg tactggctaa cgaagaaaca 240
gagtttgagc atcatatgta gagtacaata tcaaaacaaa atgtgccaag aataactcct 300
cggacccatg caatacatac aattgcaagg cctcccggtc ttgactttcc attaggcaaa 360
gcatgctctt accgacgggc gaacagcaga gaagacctgt ctttccaagg aaccatgtgg 420

ctccgataaa gcgaataaga gcgacaaccg cattagacca caaaagggtc tggaagaaac 480
gtgaagtacg ctcaagta 497

<210> 17464
<211> 497
<212> DNA
<213> Aspergillus nidulans

<400> 17464

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gtcagcggta tggatagggt taagaaatcg aggaattctg cagcactata gttgtttgtc 180
taggcctatg agactgtagg gtattaaggt cccattgggc aaggctcttg atgacgcagc 240
tgtataaaac gtgaaaaaga caccagataa ctaatcgtaa gtttcatgaa aatcatatcc 300
aatcatcatt ccgtctgtga gctatcccag gcgaaaacag agcggcggtc catgatgaag 360
agcggagatg catgctcttc gctgtctgaa ttcgggtgta gagtaacaat cggcaccgct 420
tctagcataa acatcgacgt cgaagatgct tgctccataa gctgggcaga gaatatcctg 480
catcgcgtta tcgggacg 497

<210> 17465
<211> 497
<212> DNA
<213> Aspergillus nidulans

<400> 17465

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gtgggcctgg aattactact aatagtgggc ccggaagcaa agcgtgtctc cgaactgagg 120
ctgcagccac actgctcggg ggtctaacca catctggtat gaagaaggcg cccagattgt 180
ggctcaagtt tcaacacgta tacaaggatc ttggtcgtaa tatgtaggat atttttgtgc 240
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ggcgcaaaca gcagcgcccg tcgtgcgctg cattgctgct ggttcatctc ttactgtgct 360
tttcgcagct gaccaggaat cgggacaagg gggattcatt cccgtttgcc actgacagca 420
gtagaccgat gtgcgcttat ctcaagtagt cagcatcgcg ggtgtgggat gtgaacaatc 480

<210> 17466
 <211> 497
 <212> DNA
 <213> Aspergillus nidulans

<400> 17466

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 cgtctggata tataaattca agccaaacca aaaacagact tggggcaggg agagtttgtg 180
 tgctctgccc taccctaaaa cagtccacgc atcaatctga aagacgcgag gcaataactga 240
 caagttgaga gagccaatct cagcaactga agggatatca gcgatgggga ataatgtaca 300
 ggtgaagggg aatgatgggt tggggatctg atcatgacac cgcacaaaca agatacatag 360
 gaaaacgtga agaacaaaag aaactcattc acaagtgaac cataaaatag catgcggatt 420
 agacgattca cgcatttcca caattccacc tccatccac tcacagactt cggcatttat 480
 gcagccgctt gttgggg 497

<210> 17467
 <211> 498
 <212> DNA
 <213> Aspergillus nidulans

<400> 17467

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 tccgctcacc cttcaatctc tcgcactctt tcttcaggtg ctcaacctcc ctcttcaaaa 360
 cttctgtctc gtgcgcgat cgtgccttat cctccttctc cgtttctttc cgatgcctcg 420
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 gcttggtctt ttcccga 498

<210> 17468
 <211> 498
 <212> DNA
 <213> Aspergillus nidulans

<400> 17468

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 gtgcattctc agtgattata cctgtgtcct ctattttatg gtttgcgat agtcatgact 180
 ataagcgtaa tgtgcatgcg cggcgtgacc atctgagcca cagccgcaag taggtccagt 240
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 ctaggatacc gctgtgcata gacgtcttta caagcgtgtg ctgcagggaa gctccatatt 360
 ggtgaccttg gcggcgcagt tggacagccc tgattccagc actttctgag agggatgtcc 420
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 ttctactga ccaggacc 498

<210> 17469
 <211> 499
 <212> DNA
 <213> Aspergillus nidulans

<400> 17469

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 tttgggctat ataaatagat gtcgttgaac ggcgaaccag accgtaatga attatgattg 180
 gactcctgca tacttcatga taatacctac ctagtcctac caaatcacca aagcgtaa 240
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 atttcgatca cgtttgaatg ttgtcatgtc aaacgaaatc caaacctgt gttggcgatc 360
 gaagggacgg tgagtagaga gagggacaac tcgaaaagga tttgaagctc aagcaaaatc 420
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 gtctagcttg ctgagctgg 499

<210> 17470

<211> 499
 <212> DNA
 <213> Aspergillus nidulans

<400> 17470

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cacgaagaca catcggacga tgagggatat aaatgtgcag atgggtaaata acataaatag 180
atacgatact ccgtccattc taaatgcagc aatatcaacc aaacccaaat cagagccggg 240
gattggtaga tagagaggaa cagggatata gaggaagcga agaaaagata taagacggaa 300
ccaaagatag agagagaaga agcagtggac aaagggaatt tgaaagcaaa ccgctcatga 360
ttgcaagatg caagactagt agcgtgaaa actaagtga ataaaccgcg tcactaaagg 420
ggttcttcgc agagatatgg atggaggcat gcatcaagac aaaattgcag acacaaagga 480
aatgagtagt ggcgcccgg 499
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<210> 17471
 <211> 499
 <212> DNA
 <213> Aspergillus nidulans

<400> 17471

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cacattcttc ttattcatct gtctatccta gtagttaaga gtagctctgc tcatcatgta 180
gtcccaaaga atatctatat atagtacatt gcgttcatag cctcgaccga catccagatg 240
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tcgtgttcgc atacgtcaga cataaatcct ccgatggaat ctcagcagag tcggaggctcg 360
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<210> 17472
 <211> 499
 <212> DNA

<213> Aspergillus nidulans

<400> 17472

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gctttctcgg cctcgtcatt gccactaatg ccgctactga cactatcaat cttagttaca 480
ggagcccat caatggtgg 499

<210> 17473

<211> 499

<212> DNA

<213> Aspergillus nidulans

<400> 17473

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actggcgaag ccatggattt tgcgtgagaa atgcgcgcaa gaatgaaagc agtcgacacc 120
agcagacagc agcgcgtcta gcacagcaaa ggggtccagaa gagtacggct cggtagattg 180
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tacgagaaca cgtccagtca tgttacaggt cggttcaggc taatgtcatt atcgtccatc 360
taccaagata atcataaata ctgctagaat gtatcccgtc atcgacattc cttccccatc 420
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<210> 17474

<211> 500

<212> DNA

<213> Aspergillus nidulans

<400> 17474

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cattgctcga gtttacccaa gaggataaat atatcatcaa agtacctatc gctcctattg 180
aacgagataa gctcccgccc ctaatcacca acgatcgcag acgtttctac aacagaaaac 240
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gtcgttgccc catttcgtta ttctcaccaa atgcgcaaac aatagacctg atctgcagct 420
tcgttcgttc gaccacagat atcaagtttg cagtcagtct cattactgcg acttggtagc 480
ggcatcagcc tgggccctga 500

<210> 17475

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 17475

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cctgcagccc atcattatca tgaaaattcg ccacacaccc aaacgccaac aatgctgaaa 180
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tttgagactc tgagcgactt gccgtcaatg gtacgcacga tgcgagtcca acctgtaagg 480
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<210> 17476

<211> 500

<212> DNA

<213> *Aspergillus nidulans*

<400> 17476

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<210> 17477
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17477

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<210> 17478
 <211> 500
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17478

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<210> 17479
<211> 500
<212> DNA
<213> Aspergillus nidulans

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<210> 17480
<211> 500
<212> DNA
<213> Aspergillus nidulans

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ccttcttcaa ggggtgatag acctcctcta tcccatctgc agtaataacc agcatctgta 180
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<210> 17481
<211> 500
<212> DNA
<213> Aspergillus nidulans

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aaggcagaaa atcattcccg tcggggettga tcctgttcgg tttatttacc cttctgccat 420
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<210> 17482
<211> 500
<212> DNA
<213> Aspergillus nidulans

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<210> 17483
 <211> 501
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17483

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<210> 17484
 <211> 505
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17484

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tctaataaac aaatatcaga tatggtagaa atctagagtt ttatcgcatg ggccccattc 420
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<210> 17485
<211> 513
<212> DNA
<213> Aspergillus nidulans

<400> 17485

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<210> 17486
<211> 513
<212> DNA
<213> Aspergillus nidulans

<400> 17486

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<210> 17487
 <211> 515
 <212> DNA
 <213> Aspergillus nidulans

<400> 17487

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<210> 17488
 <211> 521
 <212> DNA
 <213> Aspergillus nidulans

<400> 17488

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 ctggaattat tattaacatg gacacaaaac aatatgctgg taggtcaatt attaatcagc 180
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gtgtggagtt gcatggcaag tctgggtaat tataaatcag aagaggatta tgatcagtta 420
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<210> 17489
 <211> 522
 <212> DNA
 <213> Aspergillus nidulans

<400> 17489

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<210> 17490
 <211> 524
 <212> DNA
 <213> Aspergillus nidulans

<400> 17490

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 aagagtccgc gaattttctt atcctggaca gtgggagcac cctcctcgac gggctccgga 420

gtcgcagctg cagctggagc agccttggtg ccgtttggct gcttctgctg ctgctgtccg 480
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<210> 17491
 <211> 526
 <212> DNA
 <213> Aspergillus nidulans

<400> 17491

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 tggatttaga gatcgtctaa caaatattat ccagatgggg aactacgtgg gtttttcgtg 180
 ggctgctatt gtctaccgcg ctcttcgcta tctagaacga aggcagtttg gtcggtagat 240
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 gctgtcactg tcctttttta ttactacgcg tcaacagtcg tcctctcagt acctaaaaat 480
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<210> 17492
 <211> 528
 <212> DNA
 <213> Aspergillus nidulans

<400> 17492

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 gacaggcgcg aaagatgtgc tggataagct caatgaccct caacttgctg atgggattaa 180
 tgccaactca tataaatacc gcgttaacct ctccatggaa actggagatg accgttatac 240
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 cttgatgcat tccgcgtcaa ctaactactg ctgccaccgc cacgattgta tctgtttccg 420
 acctctctga ttttctttcc gtttcgagcg agcactggat tgattgttta tggggcaaaa 480

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528

<210> 17493
<211> 529
<212> DNA
<213> *Aspergillus nidulans*

<400> 17493

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<210> 17494
<211> 530
<212> DNA
<213> *Aspergillus nidulans*

<400> 17494

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<210> 17495
 <211> 531
 <212> DNA
 <213> Aspergillus nidulans

<400> 17495

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 gttttgcgaa acgcgtggga taattgataa tgctagaaat cccagactcc tgtcatatgc 480
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<210> 17496
 <211> 532
 <212> DNA
 <213> Aspergillus nidulans

<400> 17496

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<210> 17497

<211> 537
 <212> DNA
 <213> Aspergillus nidulans

<400> 17497

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<210> 17498
 <211> 542
 <212> DNA
 <213> Aspergillus nidulans

<400> 17498

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<210> 17499

<211> 549
 <212> DNA
 <213> Aspergillus nidulans

<400> 17499

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<210> 17500
 <211> 553
 <212> DNA
 <213> Aspergillus nidulans

<400> 17500

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<210> 17501
 <211> 555
 <212> DNA
 <213> Aspergillus nidulans

<400> 17501

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<210> 17502
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17502

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562

<210> 17503
<211> 566
<212> DNA
<213> Aspergillus nidulans

<400> 17503

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<210> 17504
<211> 570
<212> DNA
<213> Aspergillus nidulans

<400> 17504

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<210> 17505
 <211> 572
 <212> DNA
 <213> Aspergillus nidulans

<400> 17505

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 ctcaaataaa cgactcgcttc atgcttacgt ttttttctgc gttgctggtg cggaaggggtg 420
 tgattgtgat gagccggatt gtaacgctaa aaaggttcat ttttttacia gcggcggttga 480
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<210> 17506
 <211> 574
 <212> DNA
 <213> Aspergillus nidulans

<400> 17506

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 aacagttcgt ttccttttct atggaacgag cgtacgcca gaagatacac cagacacggt 180
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tggcaataaa cctgactggg caggctttct atgttgcgag gagtgtcacg aatgggttga 480
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<210> 17507
<211> 583
<212> DNA
<213> Aspergillus nidulans

<400> 17507

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atgtccacgg gacaagcgat cactcgggtgc atgttactct gtctccagct gactgtacgc 180
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gagtatttgt tcatttatgc gccagaaac gaaaaggaga tcgagggtgt gttgaggatt 420
attaaggcga gtgtgcagta tgtgacggga gcccgcgatg tgcggtagtt ttgtattggc 480
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<210> 17508
<211> 602
<212> DNA
<213> Aspergillus nidulans

<400> 17508

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caataatgcc acccttactc tgccatgac gccaaacgcg tcaatacgtc actccgtgggt 180
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aaacagtacg agatatcaag actgaaccgc aacgatgaag ctacaactag cctcctgggt 360

ggtgtgtgct cttgcaaccg ctgaggcggt ggagcttcca actgggttcag caaagctggt 420
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 caaatggcac gagactgagt tggaacgctg gcttgcctgat catgggtactg acacatcctc 540
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<210> 17509
 <211> 611
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17509

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 aagtcttcta atccatcaaa cctcaaagaa ccgtcttcca gaccaacttc tcaatcaaaa 120
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<210> 17510
 <211> 612
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17510

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<210> 17511
 <211> 617
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17511
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 atcttctact gacatatcgc tagctgctct cggaaaatgc tgaataacctg gtagccaatg 480
 tggttatagg ggaatggaat gacacacact ggggccgttt ctgggagatt attttagggg 540
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<210> 17512
 <211> 626
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17512

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 agctctgccg gtagctatga gtcggacgga gaagagcccg ccgggaggtt ggacgacgtt 240
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 cgtcaacact ggtgcacttg gcgagttgaa cctcatgttc tatggggctc cttcaaccct 480
 acatttgttt tctatatcat ttgctcctgc gatcattgtc tttgtggggg tctctgatgc 540
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<210> 17513
 <211> 633
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17513

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 gatgtttgtt ctatacaatt tatagaagaa agaaaagcta acacctgcac cccgcgcgca 180
 ccccgccctt ctggcagggg gcaatgcgtg gggagtccaa tcagccccag tctggactcc 240
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 gaatgggtga tggaccagtc aatcgcggtt tttgggagca cgagctattt tgagaggaag 360
 cggtgataca acttccaact gttttcttgg tcatctttgt ggatgggagg atcatgtgta 420
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 gctgatcatg ttgatgttcc tgtgctgcga catgcaaatt ggcgttaggg aatgctgtta 540
 ttcttatctt taccttatac catacattga gtgaacttgg tgagatgaaa cattcaagga 600
 tatagcttgc atatgagtca ccgtcacggg ctg 633

<210> 17514

<211> 761
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 17514

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 gttaggatgt gtttacgggc ttttccataa tcagatgtct aggtagatac tatctcttaa 360
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 aaaagaaaca tgctgatata aacgctgcat actcatgtat atcctaacag atatcgtcgt 480
 aaaggtcgtc ataaaatcat cttaggtaat caaagccaac aacgacgagc cctacctcca 540
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 cggtaaacgc cagctcttta atcttaggaa ccaatgggta agtaggtatt aggacatgtg 660
 catggccaaa tccaaagtga acgcccgttg cgggaaaaca aagaataaac aaaactcaag 720
 acaccactga catgaacaaa gacattttcg tggacaactc a 761

<210> 17515
 <211> 511
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 17515

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 attggatata tccttcgcaa ggggtaccgg gacatgaaat cgtgaaacaa tcccaacccc 180
 taacttccgt tcgaacccat tcgcgccgct tccctagatt gcatttactc tcgaggacac 240
 cgctcatcg catcgagca tcatcgacgt cgactcgctt agaacttggg gaaagccttg 300
 acggccttgc cgggtgcggg caggacacgg aggacgttga agcggacctg atgatcagaa 360
 agtcagaatt cgttcgttcg catataagat ggaatatatt ggattgagaa gtatgaatgt 420

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<210> 17516
<211> 689
<212> DNA
<213> *Aspergillus nidulans*

<400> 17516

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tgtcgttgcg ctccattctt cgtcaagact accatcctga tcacgccgcc cgagctgcc 180
tcccacttga ttgcctcccg cagtgccct ctgacaaact caacaccctc ttcttcagtc 240
atgttctctt tccagttcgc gtcacagtaa ccgtagatgt aagtcgacct ggaccgcccg 300
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gctcctggaa cagcgcgggt gcaacctgtg tgctgggcgg ctcgttattg acgatggagt 540
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atcggcagca ccaaattgta tcatttactt gcgtcaattt atcggtgact cgattggcga 660
tgtaagctcc agtcgttggt cgactgtcc 689

<210> 17517
<211> 444
<212> DNA
<213> *Aspergillus nidulans*

<400> 17517

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acgtggcgct ttgctgcaga ttcaaacacc aatttcggc tatgttcaga acattgaaga 120
gaactccaga gctctaccga cgggaagcag gcggcttgat gatgatcgtc cgtgcgttgt 180
gttctgaatg ctgatatcga gcattccaag gcttccatgt ctctcgta ca acttgttatt 240
gacgcccga atcctgcctc cctttgggcg ccagtaacac ccgtcccca gtgcaactaa 300

ccaggcggtg aatttcctag agttgcacgt tactggatga ctgcacttca agaacgattc 360
aagtcaaaag acggcctctg gactgagtaa gttctcgtat ctttcctttc ttaaccgctc 420
gcattctggt gttttggcta tctg 444

<210> 17518
<211> 651
<212> DNA
<213> Aspergillus nidulans
<400> 17518

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gtgcagatgc tccgcattga ccagctcgct gagctaggat gctgctgctt ctgctcgatc 120
ctgtacattg ccaatgatgc ttttattgcc gcgaaccctg aaaagggttaa gaagttcatg 180
aacgccgtta agcgtgccac tgactatgtc cttgctgagc cggcgaaggc gtacgaggag 240
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tttgcgctact ttagccgcga cttgaagaac gttcagcgcg actggaacaa ggttacgaac 360
tacggcaagc gggtgggaat cttggatgcc gagttcgtgc cgaactacac gaacgagtac 420
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tagaagcttt agtatgaagg ctgcctaagt cgatcagcca gcaagcagtg catagtttgt 600
cgtagtcact ctttaagtca ataattatca tgattatgct tttgattcaa a 651

<210> 17519
<211> 233
<212> DNA
<213> Aspergillus nidulans
<400> 17519

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tgccaacgac tcgacggcaa ggcgctttac aaagtgtcca ttaccagttt acctactata 120
tctatatgat acccactgta tttaatgggt gcacgcacct acaaaggagg aggctcagaa 180
ggttttaccg gctttcctgt atataagcac atacagtcaa acatattcga tcc 233

<210> 17520

<211> 167
 <212> DNA
 <213> Aspergillus nidulans

 <400> 17520

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 tcacaaaaga aaagaggacc gagtagtgcc cgcgctgaaa taccatattc caaaacgccg 120
 cactccagac cagtagtacg cctgaacaaa accgagatac ccagcag 167

<210> 17521
 <211> 283
 <212> DNA
 <213> Aspergillus nidulans

 <400> 17521

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 gcataacgaa cataacaccc aagattagaa gaccataaag aaaccggtaa caaaaaagga 180
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<210> 17522
 <211> 907
 <212> DNA
 <213> Aspergillus nidulans

 <400> 17522

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 tggtagctcc agtcatacca aaaaatcctg ctaactcatc tctagccacg tcttttcccg 180
 gtgggagacg ttgcggagta ttcggcgcaa tattctgtgt ttctgtcata actgtaggaa 240
 aggcacgagt atcggcacta tcaagcccat cgatggccac gccacgcctt tattcgccga 300
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 taccctagca gcgaccatta aacttcattc gtagcattgc aggcataatc aaggatgact 420
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<210> 17523
 <211> 492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17523
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 aatagcaggc attgtggttg ggttgattgc tgggatgctg atactgcttg gggcttgctt 180
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 ggaattggag taacaatgac ctatcttgat ttcacatcgg caggaaaata ggaatatttg 420
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<210> 17524
 <211> 286
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17524
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agagttgacc taggaaaaca gcggccgtag aaggaggagc cgggtttaga gaaaacgccg 180
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<210> 17525
<211> 168
<212> DNA
<213> Aspergillus nidulans

<400> 17525

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gtagccattt cacaggacgc cagcatgagc actgaaaact tgaccagaga ctggagagat 120
gaaataaggt gtcgcaaagt cgatgcgaag tgtatgtatg gaccagtc 168

<210> 17526
<211> 513
<212> DNA
<213> Aspergillus nidulans

<400> 17526

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<210> 17527
<211> 650
<212> DNA
<213> Aspergillus nidulans

<400> 17527

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<210> 17528
 <211> 110
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17528

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 tcgactgta ctttaatactt actgcgccta attgatccct tgcacgtttg 110

<210> 17529
 <211> 198
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17529

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 gcgctgtccc gaaggcgggtg agccacctac aagacttcct cacaacaaca atccttcttt 120
 ctcttttctt ctttagcgat tccttcttgt acgtacggca cgtctagata ggaagatcca 180
 tctaaacacg tcccttaa 198

<210> 17530
 <211> 199
 <212> DNA

<213> Aspergillus nidulans

<400> 17530

tagtgttata ggtcctttgc ctatacaagg accttagacc ttagtgactc ggccaaggcc 60
tgcgctgtcc tgaaggcggt gagccaccta caagacttcc tcacaacaac aatccttctt 120
tctcatttct tcttttagcga ttccttcttg tacatacggc acgtctagat aggaagatcc 180
atctaaatgc gtcccttaa 199

<210> 17531

<211> 735

<212> DNA

<213> Aspergillus nidulans

<400> 17531

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ggacagcact caaacagaac aatctggttg aaagatgaaa agagaaaaca tacaacagta 120
aggaggccac gagtcaatcc ctgtccggga gacggtcaga actgccagct aacggttgat 180
caagaacata gttgagtaga gaaacagaag ataattatca agacgagtgg acgaagagta 240
agaagacatc actgaagtcg catgcacgat tcagaagaaa taagaaaact tttattatgc 300
cgagagcgtc atcgccaggt aaccaacaca taggagactg actggtgctc tcgaagacat 360
aggacgagag gctgctccgc cccgccccac gagtcgcatt tcgactatgt tgatccaaaa 420
cagtacgtga cagcaccaga ataaaggcgc acgatcgtaa aaacaaatac cgccacaacg 480
gaagagcttc ttctaggcac ctctgtcacg tgcttgagcc tgagatttcc agaactccac 540
catctgtcgg gtttctctcaa gctcttttga gagttcagcg atacgacgct ccatgtctcc 600
ctgtcgctca agcttacggg cacgagactt gcgagcagcc tctgtatttc gcgcacgctt 660
ggctgcaaca ggatcagatt cgtcgtactt gatcggagga agaggtttgc ttcgccgggc 720
gcttactccg gcgac 735

<210> 17532

<211> 382

<212> DNA

<213> Aspergillus nidulans

<400> 17532

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 cggtttcgcg gggctggaga acgtcaatgc agcgaacggc ggaggccgga tcgacaacca 120
 ggagagtttc atgttcgcag aggtgctgaa gtattcgttt ttgacttttg ctcttggtac 180
 gtttccctag ttctggttca cctgtggaga atattactga ctgcagcaga ggacgactgg 240
 cagggtgcaga agggcagtgga aaatacgttt gtctataaca ccgaggcgca cccgtttaag 300
 gtgtatacgc ctacagtagat agtacatatt gtgctctagc gtactgcatg cataacctaa 360
 atggcatcac ctacttactg ac 382

<210> 17533
 <211> 106
 <212> DNA
 <213> Aspergillus nidulans

<400> 17533
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 cgataatatt gcctttctac tctattcaat ctaattatta ctttca 106

<210> 17534
 <211> 449
 <212> DNA
 <213> Aspergillus nidulans

<400> 17534
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 tcatggctat gcaccagtt ctacagtctc aaagccaaag caaggggtat actactccgt 120
 aaccaccctg atgcagtaaa aagctcccaa agacagtcac aactaaaag cggtagtaaa 180
 ggtggtgaag gggataagag taaaaatgaa agaataggta agtatgttca agaagagaaa 240
 gcgaccgccc tgtaaatagca gacacaaaga ctttcccaaa gcgagtgtgt cgaaaggag 300
 atggtagaga aagacgtgga cacgtaatga ccgcagtgtc ggagggttcg gtaagagtca 360
 tccaagtata tacaataaga ggtgatgat tttctctcaa ccgtaggaaa ggtgtctaga 420
 cggaaggac aagctgggag ctctcaccg 449

<210> 17535
 <211> 834
 <212> DNA

<213> Aspergillus nidulans

<400> 17535

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cttcgaacca gccttcgagg cgcagggttg gggcaccggc aacgactaca tccacgccga 180
ccctgatgga aagcatatgc gctgaacgc taatggcggt atcaagtatg tctccgcttg 240
aacttgacga agtcgctgat aatacgggtg ttaattcttt aattcccttc gcagaaccca 300
ggatgacgcc gtaagtcacc caccggatcc agagaaacta gtcaaataaa gacctgacgt 360
gaactaactg ccgtcctgcc atcagctcat ctacgtgaac tacactggcg tcgttacact 420
tgctgaagca gagcagaaaag tcctctccgg aacagcggag gaggggaagca cgccatttgg 480
gaattcttgt ggggtgcacca tgacttcctt taacaaggat aatgctaata atatgatccg 540
tacagtcacg caccttactg tcgagggtgag aaaatagtct acctttccag gaaagtatca 600
acggacccta actaatgttc cgcgatagac cggccacgaa cgctacaagg acctcgagaa 660
ccgtgtcttt gtcggcaagg gccgcttcaa tgtgcagaag ggaaagccgg ttgtggtcga 720
gtaccggggt gctcaagttg tgcattgcta attgagtact tttgagggtg agctcgatag 780
gcactgtact gagcagggat acctgacaaa gtaaagaatg gcatgaaatg agct 834

<210> 17536

<211> 544

<212> DNA

<213> Aspergillus nidulans

<400> 17536

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gatagaatgg cagcctgat taaaaagtaa caggaaaccg aaccgaggaa gtgaaatata 120
gcaaaggatc tagagcaatc cgccgcaaaa catcgcaaaa catcgcaaag cccaattcaa 180
atcaaattcg tggacgacat cacatatcag gctggcgacc gagcaccagc agtcataagt 240
cggatatcga agtaatatcg tgaagaagca aggagatcaa atagatogac gcgggtcaagc 300
actaattcct gatcagtcag tcagcatatc taccacacgc gaaccaagca agaagaccgg 360
tgtcagtcac tcacaataat ccagcgtca aatcaccatg aatcttcgcc ttcagctgca 420

cctcaatatc cagattcaga tcgagccgca gccgcagctg ctcatcactc cctttacctc 480
ctccaccacc actctcttct tctgtctggc cacccttag taaaccgcca acagccttac 540
cggc 544

<210> 17537
<211> 509
<212> DNA
<213> *Aspergillus nidulans*
<400> 17537

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aatggatctt ggaagacatt ccgcttggcg ttgctgcgca gggcaccacg ctggagtccc 120
accgattgt tctgtctctt gttctccacg ggtgcctcat ggtcagcaag accctgcata 180
ttccgaagcc atgaatagca taagcacatg acgagttctt tcctcgaaac gctttcctta 240
gaaaagagat ggatcatgag ccacgcctat atacgggagg gaaggagggc aacaaaagga 300
ttacgaggca tttcttggag ctaggtaaac gtggccggcg acgaatggca tgatttgcag 360
attcctttgg gataggcggt tactcttgcg ttgtgcatgt gtattattaa cccgaaaagc 420
attattatac ctaggtaccg ataatggcct gtctggcttc cattgggtat atagatattg 480
ctcttctgct catctccact tgatcttat 509

<210> 17538
<211> 581
<212> DNA
<213> *Aspergillus nidulans*
<400> 17538

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ggctgctggc ttgtcactg ttctcgtgtc gttgatcgat gcgaacagtt catccttgct 120
gagcaccatt acctcctcta cttcctcatc acagccatgt acccgcgctt ccttgtcacg 180
ctcgacgaag acctccagcc gttccggtc aacgtccgcy tcggacaggc tgttgatgtt 240
gttggacagg ctggaaggcc aaagacgatc actggttggc agacacagag caccctgtg 300
ctgctttcct acggtgagcg agcagagctg gaggatgaga aatatattcc tctcagtagc 360
acattggagg gtttggttat cttgcgtaag gtaagtcac gcagcttctc tgtattgtgt 420

acgaacattt ctaacattct cacagaaccc taactgggag gaagaaagct cgcctgagc 480
aacagtgtcc tgaatggtat ctagtgagat agaccaaacg caatatctgg cgttcctata 540
cagcttaggc cttaatgaat tcacaaaagt ccaaagcata g 581

<210> 17539
<211> 121
<212> DNA
<213> Aspergillus nidulans

<400> 17539

cgactggagt cgtcctcgtc atatacagtt ttcagcctgt gtacgccgag ttcattgatat 60
tcgtatcttg tacattagtc ccaattgctt aagattctca aatgtacggc ccaatgtttg 120
a 121

<210> 17540
<211> 447
<212> DNA
<213> Aspergillus nidulans

<400> 17540

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ctcaagtctg gcggtggtgt catcatctcc gtcaaggcca gctgtatcga cagcacagcc 120
aagcctgagg ttgtgttcgc ccgcgaggtc cagaagatga gagatgagaa gatcaagccc 180
aaggagcagc tgactttgga gcccttcgag cgagaccact gtatcgtctc cggatatctac 240
aatcgttcgt cgtaaaagcc aaaagcaggg tcctttataa cggtttttct ttttccttct 300
catgtcttaa tcttgtgtc tgtcctggcg tcgagtgtgc tacgattttt cttgatctgt 360
ttcgcttttt gtccaatgtc aggaatttag atgtgtttct ggacatgtaa cgtgcatgga 420
gttaattcat tttctctctt caatttc 447

<210> 17541
<211> 402
<212> DNA
<213> Aspergillus nidulans

<400> 17541

gagcataccg ataagaagg caacccaag atcgtcaaac agtgccaatt ccctctgacg 60

ggcaggactt gcgttagccg catcatcact gaactctgcg tgttcgatgt cgactttgtc 120
aacggattga ctcttattga gttagcggat ggtgtcacag ttgatgaggt ccgggctaag 180
actgaggcgc cgttcaaggt tgctgatgat ctgaagccta tgctgtgata ggggtatcgg 240
catgacatct ttgttggtat tttttttatt ctgcatccaa tcagcggcgt acctttgtga 300
tttcaagcgt tgacagtgt tttggacctt gttgtacat agtgggtgac gacaggaata 360
ccttatcatg ggatatctag taaacatata accatacata ta 402

<210> 17542
<211> 789
<212> DNA
<213> Aspergillus nidulans

<400> 17542
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ttcatcaaaa tattcaactt ccatcaaatt tcatcccttc aaaaactcct atacatcttt 120
taatacctat tcatcatgtc tggacgtaag tatttctcta tctcctaaat ctgtctccca 180
ctggacgatt gtcgtcgccg ttggaccgtg tccaaaaca cgtgacgtca gtcctttcct 240
ccagatcaac cctactttac tcatcctcaa cctccgttat tctttacctt ctgctaacac 300
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caagatccta cgtgacaaca tccagggtat caccaagccc gctatccgtc gtcttgcgcg 420
ccgtggtggt gtcaagcgta tctctgccat gatctacgaa gagaccgtg gtgttctaaa 480
gtcttttctc gaatccgtta tccgtgacgc cgtcacctac accgaacacg ctaagcgcaa 540
gaccgtcacc tcgcttgggg ggtctacgc ccttaagcgg cagggcctca ccctctacgg 600
cttgtgtggc tagatctgcc tgctcctga tatacattat atgtttcgtc ttgcgtttt 660
attttgcaac gcaatgggaa tatgggtctc ggtaggggtg tattcgttcg gtcgctcggg 720
attttggttg ggatgatgcc tatcacatac agattatgaa tcgaattgaa tcttataatct 780
agattattg 789

<210> 17543
<211> 263
<212> DNA
<213> Aspergillus nidulans

<400> 17543

agccgagaga acaggccgcg ccagtggaga ggatatgatg atagatacat gacaaatgga 60

aaacacaaaag aggtagacaa aataggtaca acacaactcc agtgggatcc ttacaagcct 120

tataacgccca accacgtatg gaactcagta agcgagatac acaagctata gacaatcatg 180

aacgattccg acttcagcta ggcattttgg agtctccatc ctcatccagg cctcgtaaag 240

tgggatacat cacactgtcc tcg 263

<210> 17544

<211> 218

<212> DNA

<213> *Aspergillus nidulans*

<400> 17544

gcgggaaagg aacgaatcat tagtgcttgc ctggaatata ttacaaacta tgtgctttgc 60

tctctgttct aaaccgagcg cccctgtcag tctagatgaa tgaacgtagt ctagagtaag 120

cccaaactgc aagctattga taaaacctca ctgagtaaaa gtgctcaacg aaaatcacag 180

ggtatcaata ataaagaaac taagagttca caaattca 218

<210> 17545

<211> 729

<212> DNA

<213> *Aspergillus nidulans*

<400> 17545

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ttttacgcta ccccaaccct tcggaccogt taaatgggga agccgctgca atgctgatga 120

gggagccaaa gagctacgaa gcgaaagtga aaggtttgct cttaaacgat acacctgcc 180

tacaagaagc attctgacct tttgcacaga gtacgtggcg aaatatgccca gtaaagacgc 240

cgttgacgac gccggggagg acacagagtc agaagacgag ttgagctctg ccggtagcta 300

tgagtcggac ggagaagagc ccgccgggag gttggacgac gtttgaagcg tccagcattt 360

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cgttacggtc ttatagttct tgctggggtt agtctttatg gcgttattga cgggggagtt 480

ttggcaatca gttcgggagc cagagtctaa tgggtatacg tcacgtcaac actggtgcac 540

ttggcgagtt gaacctcatg ttctatgggg ctccctcaac cctacatttg ttttctatat 600
catttgctcc tgcgatcatt gtctttgtgg ggttcctgat gctttacgtc tccaatcata 660
acatcactcg cctatttaat ggaatctgct gtttctacct agtctacttg gaaggcccat 720
acttaccat 729

<210> 17546
<211> 561
<212> DNA
<213> Aspergillus nidulans

<400> 17546

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agctggctac tttagcttac aaaattgact tgtagatatg gcggcgaatc acccaatcca 120
tatccatcct gctcgacctt ttaccgctt cgcggcgact gccctgggcy cgagcatgtg 180
gtttttcgta agttgcagtg ttattattaa acgccacat caatgccaat gctgatgtgt 240
ctctatcgtg tatagctgat gtatcgggct aagaaggacg ggccctgcttt gcttggttgg 300
aagcaccctg gggatcattg agcgcttggt accaacattg attgcaccgc cgattatcac 360
aataccacag acgttaggta atagaatgga catgtatcaa tagcttgtct tatcttctat 420
gtgaaaacag cgggtataat acagcggaac cagggtctat ctactcatat cctcaagcag 480
cgttttatat tgacggcgct gtttttgatg gcctggccgc ataagtacct gtaagcgtcc 540
gataatacga gcaagttgag g 561

<210> 17547
<211> 322
<212> DNA
<213> Aspergillus nidulans

<400> 17547

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actcgagacc ccattcgac agttcaaagg gctactcgag acgaaaaacg tccagcgacc 120
atgttgata cacatctccg ccaaccatc caaatcaaac atctcgccga taggtactcc 180
ccaccccgca agtagatgat gatgcagatc aaagtccggg ttaagtggty ggtacacctc 240
gaaactgacc gcgtctgacg caaccgccgc aaagtggtyg tcccaaaaga accgtagcac 300

acgctcactt tgctcgatcc cg

322

<210> 17548
<211> 349
<212> DNA
<213> Aspergillus nidulans

<400> 17548

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acacatgcga gaaagactga ttggatataa gacggtatct acctaattgca cccaattccg 120
tataggtttt accgcgcgaa aatcacatat ccgccgctgt ccgtcagaaa aatggtaaag 180
acacgaaatg aaacgaaggt aagaggatcc atcacgacaa aaactagtag tgaagtgatt 240
tgaaacgagt taagaatgta agcactcgta agcaagccta gggtgccacc cgaccagccg 300
atggatgccc ttgccttggga tttacgagtg aatgttgatg tggccgtga 349

<210> 17549
<211> 83
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 17549

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caacangata gggatacaac cac 83

<210> 17550
<211> 483
<212> DNA
<213> Aspergillus nidulans

<400> 17550

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ggacagaaat ctaagccggt aatagtagag aagttgatat catgtcgtat cccaactcaa 120
catccaagca agtcaattca ttgtatagga ggtgaagatt ctctcaagat gcatttcaac 180
agtcagtaat ctagctcaga aataatctaa atcgtttagtc gtatcggtga aacaattatc 240
cggaaccat catcttaaag ctggtcatta tgcgctcgtg tcccagggtgc aggggcaatt 300
gtagcctcag ggtataacgg tcccgttccc gacgtgggcc cggacaccgg ctgcgtctga 360

gactgatatg ccatcccagg ctcatacgtc gggagctggc cgcctagact gggattatga 420
gttcgggtat aaccctgctg catctcatac caattcgtaa catcttcctc gctagatgag 480
gac 483

<210> 17551
<211> 485
<212> DNA
<213> Aspergillus nidulans

<400> 17551

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gcgaatgtga tgaagtgcag tattagagat gaccctgatt atgcacgtca acgcgatatc 180
acaaccaata atgaaagata tgaagactag tggtaatccg tatatgcagt ggacaagagc 240
gtgaaaggaa acatcttcgc attgagaaaa caggaaaaga ctatagcaag gaaagatggt 300
ctaaagcact aaaagcaact cagaggatcc gctgacttaa ggcgctttgg ctcgctcat 360
ttagaaccac tcgccacca accagcggtt gaagaactca agggatgcct caggctggtc 420
catgggaacc atgtggccgc caccatagag gcgcatgaag gtgaagttgc catgggtctt 480
gatct 485

<210> 17552
<211> 699
<212> DNA
<213> Aspergillus nidulans

<400> 17552

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cccgttcttc ccgtctgcgc tggagaaacc catcctacaa ccgctcgact accctaagat 120
cctccacgac aacgacgtca atgtcaacga gaccatcaaa acgcggtacg tgcaggatat 180
tctacctgcg atttgccgc aatttgccgc gcgcgaggac cgtggggaga cgcaggaaaa 240
ttatggatca gcggcgacgt gtgacgtgag ctgtttgcag gcgctatcac ggcgcattca 300
cttcggaaag tttgtggccg agtcgaagtt ccagaaggag acggaaaagt ttgttgcgct 360
gattaaggca ggggatcgca aggaaattga tgaggcgatt acggatgcga aagttgagca 420

aaaggtgctg gagcggttgg cgctcaaggc aaagacttac gggacagatc ctggctttcc 480
 tgagcagtcg gggccgaaga ttgatgttca ggctgtgcag gacatgtaca aggtaccttc 540
 cctcttacct caccctgccg ttcgatgatc aatcaagaac aggaatacgt tatccctttg 600
 accaaggttg tcgaagtaga gtacctgatg caacgcctta agggcactca atgggagtag 660
 ctgtgctctc gaacagttcg ccatgccgta acgacaata 699

<210> 17553
 <211> 188
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17553

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 tgaattgagc agcaaaatag gtataggagc agactatcta tcgcaagctt ctatctatct 120
 aggggtatcaa gaatcgattt ccgaagttag tcttgcgtga acagcctggg actgtacatt 180
 gcagtaca 188

<210> 17554
 <211> 305
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17554

aggttagaac atgtagcctc gctactccgt attcagtga acaaattgct ttttaagacc 60
 taatcccaaa cgtgcactaa gagcattccg gtatcctctt ggaacaaaca gaagagaaga 120
 tataaactat acagtacacc ccctctctta agacatacat ccaatgcagc aatcatgccc 180
 gtcccctagc cgcagcccg cttactcttcc ccggacgctt tgcgcccggc ctgcaccct 240
 tcattcttctt cacagagaat ccacgtagat caccgctaga aatcgaatca ccgtttttgc 300
 atgcc 305

<210> 17555
 <211> 484
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17555

ctggggcagc tggactggag acggcattag caggaaggaa aggaagcggc agaagcgcgt 60
 tttgacaaag gttgagggag tgaagcccga aaatcggaag gatgcgaaac tttctcgtgt 120
 tatcatcaac gaaaagcgta ttaagaaggt aaaggctttt atcgatttcg cacccatcga 180
 cgtgaataact aatatctggc ttcttcgaga acaacaagta ctttgcgacg caactgcctc 240
 acccgttcga gtcgaagcag cagtacgaga ggtcgtttcg tgtcccgatt ggtcccgagt 300
 ggtctacaaa ggagactttc cagtcttcta ccaagccccg tggtatgata aaacagggcg 360
 tcatcaagcc gatggagaag ccgatggttt agatactggc cgggccttga ccttgaagtt 420
 cagaacacta gtcttgaccg cggagtatat aggggtagac aatatatacc tggataccca 480
 ttca 484

<210> 17556
 <211> 502
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17556
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 catatcatca taaccatgta ttccggtgcc catcagctta agccctatcc ctccgcagcct 180
 tatatagccc tctgatatcc tctttccact gctccacatc cgtcctctgc actcttcgat 240
 catacgtgag tagcccgttg acttctccct caacatcagt ggtctgagtc cagaccgctg 300
 cgctgcacgc aaactttgta acctgctcag tcaactcaga gagcagatag tgcgcgcggt 360
 agttccaagt atccaagtcc tcgtcaatct cgtatgtttc tgggatggtg ttgattgccg 420
 cttgtacgtt ccacaggttc tcgatcgaga cattgtggcc gatcccgccg aattcgccct 480
 gcatgccgat tctttgcggg tc 502

<210> 17557
 <211> 927
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17557
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tctgcaaaaa tggccgtcac aaaccagggt atgtcttacg gaaattccgt cggctcgttt 120
 tgttttccac gcttctgacg gcctctgatt gagttgggat tgttcttcga agacggcaat 180
 ggcgattaga ccacccttcc acgccaacaa agctacggga tgaatgctga tgttttttct 240
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 cagcgtgcgc cgtgttatca tgagcgcgc tctgtccaag gaactccgtg agaagcacia 360
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 ttgggcggtt gagaaaaggg tggactgaag attgatttga ggaattggga acaatggcaa 480
 gaggaccaga gctgacggat atcaacctaa cagggtccgt ccatcccat cgcgaaggac 540
 gacgaggtta ccatcgtccg cggcaccaac aagggccgtg agggcaagat caccagcgtc 600
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 gaccgtgagc agattctgga gcgcacgagc aagggtcgtg aggccgtcaa ggccaagtcc 780
 gcgtaaggaa ctggaactgg gacttgcatt ttgtgtttct atggatgaat ggcgtgggag 840
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<210> 17558
 <211> 315
 <212> DNA
 <213> Aspergillus nidulans

<400> 17558

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 aatgcaaaca atcagcgtca tgaagcgaga actagcctcc agcaggactc gacaactcag 180
 ttgccaccat gattcgtctgt cgaacgtttt cgtgaccgta taatatcgta acatcgtgat 240
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 gtagttttga taaat 315

<210> 17559
 <211> 507

<212> DNA
<213> Aspergillus nidulans

<400> 17559

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cgtttcacgg caccgaaggt gatatcgcaa ttattgaaga attcagatac ctggatgcac 180
tgaagagcgg cgaattgccg ctaaagatc ctaaaccagc cggtttcagg agaataattcg 240
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ggttctagaa agttccgcaa tgctgtcgtc cgtgttgacc agctactgaa ggaaccgcca 420
cccgaagttt cttccgacca acatctccgc aagcctagcc ccgtgccgga gcaggaaacg 480
ccgcggaaga ctccatctcc tcttatg 507

<210> 17560
<211> 189
<212> DNA
<213> Aspergillus nidulans

<400> 17560

gatacccttg aagtgaagaa cagaaacaag aaagacactt tcttccatat accgaggggt 60
tggttataag cgaagacgcc aatcaaaaca agtgaaaaaa gccccctttt gcaatacaat 120
cgtgtcatca acggcatcaa gataaaaaca catgtagaat ggatatatca ttcacaaggc 180
aataagtgg 189

<210> 17561
<211> 307
<212> DNA
<213> Aspergillus nidulans

<400> 17561

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cctgtaacta gtgcaagtga gcttggctag agtattaagg gctcataggt ataccgaagt 120
tccatgcttg cagagatgta gcagcataat gatagacggg gaatccagcc ccaaccacta 180
tcgcaccatc gaagtggcta ttgtcacttg tagtcctcga caattgggtg aagtttgatt 240

taaaatacct ggtcgctgca cggagcccca aaagcccaca tcggtaggct gaatgatggt 300
actacgg 307

<210> 17562
<211> 853
<212> DNA
<213> Aspergillus nidulans

<400> 17562

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gacgccgctc ctcgagaccg atgatgcagg cggcatcaag cataagctcc tcgaagcgcc 120
gcaggttgat aagetgttct ttatcagtc accaccctcc ccgccgcacg gctgggtgat 180
gcgccaggag gaccccccaa acaaggaggt ccatgctagt gatcttgccg aggcgctggc 240
aaaattgaaa acgcagacgg agggttctac ctacgtaca tctaccgtac cggcttctca 300
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gccgttggtg cagcagcgaa gtaggagtag cacgcttata tataaccggg aggagcacgg 420
cggcagcccc aacctccccg ctgtcatggt cgaagatacg agcgcgcacc cggatgatat 480
ggacgtggag atgagccga ttgatatgcc tgtgaagcaa acgccgccgt tcaagactgc 540
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attgcgagggc gttcgggtga tagtttatcg gcaatctatt catggcgatg gcaataatgt 780
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<210> 17563
<211> 581
<212> DNA
<213> Aspergillus nidulans

<400> 17563

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cgatagctgg tgtgactgga cggaaggaga tgcaattatc tcgatcaact agtcttacgg 120

agttcatggt ggtctgacgc ttgagtgtc gtcagattcg tcaagactct cctgcggatt 180
 gtttttcgac aaccatctgc ccacttcccc ttgtttgtgc atgtttatgg cttccgcatt 240
 tcttaatttc cctccgcatt gcaccgacat ttgttatttg ctttttcaga ctgtcattgt 300
 ggcttattga cgtatgactg gggacgaagg agacgaagga acgactggcg aagaggggat 360
 gactagttag ggggtgtggtg gagtgtcgct ttctcgacg aatgctctcg gtgatttgag 420
 ccgagtagca gaatggacgg tgagggcgat gtacgcggga gcacatcttt ggtattgggt 480
 gaatggcgaa ggaaactggc tagggctgct tccggggtgg tattacgtca atctatgctg 540
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<210> 17564
 <211> 469
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17564
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 tgagtttgga ggtatacaga ggctagatat acgtgattcg tgtgcttttag gcggcaacga 180
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 ctctcgagcc agcggacgta ctcttctgct tccttaacct ggatgtagtc gggaatcatg 300
 ttggcgagct cggcgttgat gccgcgctcc tcaaggtatc gctcgaggta ggtctgcaag 360
 tcctcatcca ggttctcaaa tggagggccg gcgtacaggc tctgtctggc ccaatccttc 420
 tcagcggtag cagcgtgagc caagtcaggc ttggagaagt aagaaactt 469

<210> 17565
 <211> 360
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17565
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 tgtttttgct tgttttcgat ggacgggatc tataatatat tcctccttcc ctgtttctgc 120
 atgtatgtcc ccaaagctt ttttctcttt ttgtgacaac ttctagagca gaaggtgtca 180

ccactcgcca aatcggatgt gatgtgagac ggatggcgat atggagcctt gctgtgctac 240
 gaagaggagc atggcatgcc atgatgtcgg agtattgtgt ataggatgag tcctcagcta 300
 gagggatatac ggcaaaagat cgtatgaact ggcttttctt gtcaggctcg ctactatgat 360

<210> 17566
 <211> 597
 <212> DNA
 <213> Aspergillus nidulans

<400> 17566

gggcttcaga tcggcatgga ggatattgca cttacgcatac aagctcaatc ccaggaaaat 60
 ttgctgggagc tacgctcgaa ttgcacgcag gtttaaacct acatctcggc caaacttctt 120
 caacacctcc cgcaggttca tgctgagggtt ttcgaagacc atgcacaaat gacccttggtg 180
 ctccaagctc cgttcgaact tgatcatatg tttcttgctc tctggatcgg cttctcggag 240
 cttttccaag atgccaatct ctttcaacct agccttcttc attgtgtcat tctgccggat 300
 aattttgatt gccacaacgt taccctgctt tgaatctttc gctcgaacaa ctgacgagaa 360
 cattccctta cccagattct gttgcacatg gtaacgcccg tcgatcaact caccaattcg 420
 gaggttataa tacccttcag gatcatccca attatccatc atactaacgt cgagctcccg 480
 cgcttggggc acagcaatgg cggatgcgtg cgccggcttc gacgtttcct cggatatctt 540
 agcaaactatg tcacgtcat cctcagcaaa tatatcaaat gaatcctttg cctctgg 597

<210> 17567
 <211> 898
 <212> DNA
 <213> Aspergillus nidulans

<400> 17567

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 atgaatatat ttttaccctt tgcagcacag tttcccaact tttctcttct ttgtttgctg 180
 ttgctgcccc tccttgaacc aaccaagcta acttctcacc gtagtttcat tgccatcaag 240
 cccgatgggtg tccaggtagc gcattgagca atcattgtcc tatatccgac attatgagac 300
 gaatcatact gctgtctttg agcaaaacca tgaactgacg ttctcaccag cgtggactcg 360

ttgccccat catctctcgc ttcgagaacc gtgggtgcgt ataccttcca acattgctca 420
 gtcgcgatac tggaccgtta caagcttcaa gctcgtgct atgaagctca cctccccctc 480
 tcgctctctc cttgagcagc actacagtga ccttaaggag aagcctttct tccccggcct 540
 cgttacctgt gagtttccac gcctcaagta attgacgctt gtgatcgcaa tcttatacca 600
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 gtggtgactt cgctatcgac gtcggccgca acgtctgcc cggctccgac agtgtcgaga 780
 gcgccaagaa ggagatcggg ctctggttca cccccgagga gatccagaac tacaagctga 840
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<210> 17568
 <211> 161
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17568
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 tttttggaag atctagctct gtgcaatagg attagctgat atactacgcg gatttgagac 120
 agcaaaactt acggttaaag cacgtatgcg agcttggaa a 161

<210> 17569
 <211> 200
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17569
 aggcttaggc ttaggcttag ttcgaatctc taacagaatc taacagagtc taacagagtc 60
 atgcatatgt ggagtcgaga attcagaatc agcccgggtc ttacagagtc ggactgaagc 120
 aaggctcaaa attgatcctt cgagaatcca aatgaatcaa aatcacgata aacagatcca 180
 aaacacggga cacaaagtct 200

<210> 17570
 <211> 449
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17570

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tgatgctcaa gttgcgaaac ctcgcttgcg gcgtatcgta atcaaaccctc agaccaagtc 180
attcgtaact gggaccctgg tcttgatggg catttttacc accacaattg ttggcactaa 240
cctggcaatt atcgcaactt tgatcgagc tctttgagag agtagggata aagaaaatgg 300
actgtatctt acgcctcgtc gattctgctc tctccacagc aaacatggat gctgtcgatg 360
cactccgagc cttcttcate ttcgcagctt gtacgggatg agctgcacgg catcgctggc 420
gattttcttc tagaatggac gagaactaa 449

<210> 17571

<211> 449

<212> DNA

<213> *Aspergillus nidulans*

<400> 17571

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gaatcaggcc ggcgggtgaa cagagggcatg ggtcatggag accccgatgt ccagacggga 120
tctcgctgca gttgcggggc tcttgtctcc tcaaccacgc tgatcagcaa agtatacgat 180
cggcgacggc aaaatcctat gtcactagtc gcatggccca agcgtcgtag caacctcggt 240
gatcgtagac tcaaagccga caaggggaagg ttcaagaaac catggccatc gcgagacaat 300
ggatgccggg tgggctgcaa ttcgggtgtag atgaggatac gtcgtgtgac ttgggcttca 360
agctagactc caagatcgac ctggacaatc cttcgtgttc ctgttcgtac agtacagtcg 420
atattggtaa tagatcagca aacctgggt 449

<210> 17572

<211> 495

<212> DNA

<213> *Aspergillus nidulans*

<400> 17572

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tctccgtacg ttgccaccct tcaactataa tttttgaggg cgtatcactg acgaaccaca 120

gcccggtctc cttgaggagc tctacaactc caaggacgcc gttcccaaga agctcgacgc 180
 tgccctcgcc accaccctcg acatcaccaa gcgcagctac ctcaacgacg aggccctggt 240
 ccgcttcgac ttcaacgagg aggctatggc cgtcgagaaa ctccgtgagg gtatctccaa 300
 gttcgccgcc gacgctgtca cccttaagga catcctgaag cagaagggtcc aggcgtagat 360
 gaatgaacca tgaatgaaaa ggcaccggct gccgcgtgat gagaccaatt tcgttatgta 420
 aaaatttggc gacttgcaaa aacttgcttt gttttagaag atacgagtta cggaatatca 480
 cttcttatat aagtt 495

<210> 17573
 <211> 456
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17573
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 ctcatgtatc atattcatag caacatgaca tgaacatcac gacaattaag ttatatattag 120
 gcttttcgct cctcatcctg cttcaatcca gagccctcat acttcgactg agcaaggggtg 180
 ttgagctcat cttcctgttt atccagcttg tagtttggtg ccgagaagcc aatgccgccca 240
 acgaacgccca agatggcaac gacagcgtag ttccagacaa gaagcgggtc ttctgaaaga 300
 ccgacaaagg cctgaccgat ggcagaagag aaagcggttca tgaagagtga gacggcctgg 360
 accaaactgc gcatgttctt gggcgcttg gtgaaggcgt actcaaggga tgtaaccgac 420
 gccagaatct cggaataacc accgagaatg taggtg 456

<210> 17574
 <211> 429
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17574
 taggcgccaa agtggagcgc gcgctcggac ggaggatgac aagccaggat gcagtcatgc 60
 gggagaagcc tgcgctgaac gagaaggctg aggagactac ttcattgaacg ttgacgtgct 120
 tcgcgatcat tattacaaac cccggatttt gagatacttt ttattttcct ttgtcgtctc 180
 ggcttttcgcg atctggtggt caatcccgtg cttactcccg tctgattttc tatgtggtgg 240

ttattatggg cggaagtcga tgtctgcttt gacgagaagt ttgtgcttta atgtctctca 300
tacccccgtt cttccagctt aatgtcgtat tttgctcttc atgataattg tttttgatca 360
gattattgtc ggggatatgg gtcacttagt gtcaccaat ttgcaaaaca gatgaatatt 420
ctttcacga 429

<210> 17575
<211> 459
<212> DNA
<213> Aspergillus nidulans

<400> 17575

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cacacgctac ggataccac gatatgatac ctgcacgaat acttgaggta aaggatacga 120
gcgggtttat agctatgtcg tttttacttg ggacacacaa caattgcagc ttgagccggg 180
gctgaataat gaattacgga tgttttcttt ctctattgtt accctttctt gatttttaggc 240
gaatgggagg tggattgacg cgcaataaac tggaggtctg tacaccatcg aagcttgact 300
tatttggttt atgccatgtt gcaggtggaa catattgtcc gtcacctttg gacttccttc 360
ggcgaacacg tacatgtgag tactggaaaa ccgaacaaca gaaaacaggc gctcgcgttc 420
gttcacaccg caactattgc ggggagttac aagaatcgg 459

<210> 17576
<211> 322
<212> DNA
<213> Aspergillus nidulans

<400> 17576

tccggaagaa gctatccagc agatctcgac gcagtcgact gcttataagc ccaccatcga 60
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tctcttatca tggttctttg agaccgtgat cagccccgtg gttctgggta tattgttatg 180
aattatgaca ggcgttgtag ggtatgctga tgcattttat tgtgcattgg ctttggata 240
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ttaacgggtc ttggttgatt gt 322

<210> 17577
 <211> 318
 <212> DNA
 <213> Aspergillus nidulans

<400> 17577

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 gccc aaacgg caacgagaca agtattgctg catgagcaaa agccgaacat acatttctcaa 180
 acacagtaga catctcagaa taagccgtaa tcgctcatcc gaaaagccag ggccaagatc 240
 acttgggtacc tagacaaccc ataacctgag caaaatcacg atcagcgacg tcaagaactt 300
 ttcaaccatc tgcaacaa 318

<210> 17578
 <211> 419
 <212> DNA
 <213> Aspergillus nidulans

<400> 17578

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 acgctgcaca agaaacagac ccagaatata catccttttt gcaagtcatc acgcaacttt 180
 atggccagaa tcccatgata aacctcaacc atgccaaagac caggcgtccc agtcatgtct 240
 aacttccata cggcgcgagt aagcgttgta gtcgagtcac caagcctgat gctcaacaat 300
 gccagcgtgt tctattagag aggaaaaacc acaatgcacc ccgagaaaat actcaaccgg 360
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<210> 17579
 <211> 585
 <212> DNA
 <213> Aspergillus nidulans

<400> 17579

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 ggtttgaatt gagacctcga gagaggcca atagatacac aaaagctcat ccaatcgaga 180

agttcattta ctcgtcagcc ccgtcagcct tcttagcctt cttcttcttg ttcttgttct 240
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 taccgttctt ggtgatcgct gccacggttg ttagagactg gttcaacaag tatgaatgcc 420
 aacgacattg tgccgtattc gcagttagaa ctcaccaatt gtggtcaggt aacgggaaac 480
 cgcagcgttg tcagcatcac ccgcaggctc atattgcctc aagacaccgt tgcgaacgga 540
 ttcaataaca ccaaccttag ctgccttctc gtcatcaagc tggcg 585

<210> 17580
 <211> 1351
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17580
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 gatgggtgctg gatatgcatt gcttagttac cagggtcctt ccattccctg gcaatctatc 120
 atcagcaccg aaggtgaaaa gacaacaaca ctcagaatta tcgaggacaa cacagatttg 180
 tcaaagttgg tggctcaata cgctttacca acagagaact accagaacat caccattgat 240
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 cctgttctat tccacctata cggaggccca gggctcctc ctgtggaccg ccgtttcaat 360
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 gaacaagacg ccggcgagac atttcagtac ggaatggctg ttgcgcctgt cacagactgg 660
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ccgaccatag catcttcttt cacaatgccc atactatggg ttatgaacgt atgtcaccaa 1020
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 ttgcgcattg atttgctaaa tattggaata ggatatctaa acgtgtatat gagtatgaag 1260
 ccggacaacc tttaagcttt gctttaacag tgatcgtttt ttacgaaggc gttcttttagg 1320
 aagcgtttca tgtttggtct taatcttttc a 1351

<210> 17581
 <211> 682
 <212> DNA
 <213> Aspergillus nidulans

<400> 17581
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 cccaactcaa acagacttga ggctccgtg gtaaggcgac cagataccac gaacactctc 180
 gttgatactc gtgacgggct tcttggtgcg cttcagcttc tcgccgctag cctgcttcaa 240
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 gatctcaatc tgggggtttt ctttcgogaa agctggaagg gcatgcttca ggaaagcgct 420
 atagttcata atattagaga gagatgggtg aacggtatct agatcggaag agcaacatac 480
 ttcattcccc gggaactgcc agccagtc aagtagtgga aatccaagcg cttgcattgc 540
 agaatgaagg caccaacgcc gttctagcaa gtgttagctc tcaatgctcc ggagaggggt 600
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 cattgttgcg tatctgttcg tt 682

<210> 17582
 <211> 880
 <212> DNA
 <213> Aspergillus nidulans

<400> 17582

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gatgccgaga ttttcataca tatatgtggt gaagagcggg aaaacgaccc gaagatcgaa 660
cggagaacag agtttctgtc cagaacggag gcagcgaaga tgtgatag 708

<210> 17584
<211> 1051
<212> DNA
<213> *Aspergillus nidulans*

<400> 17584

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actgtggaac cgaagatact gtttatggaa cagaagtcct gaagtctaga cggatttatg 180
ctttggactg tgcaagtctt ttggatcatg ttagttcat cttgttagca acacaaaact 240
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cgtattcgtc cacgaagcgg ctgcgaaggt ggctgccaaa gatggcccgc aggtagttct 360
caggaacctg cagatttgtc agtctgcttg tcattcggca tccaaaagca caacatctac 420
ttaccgctg gagaatcgtg tcgagacctc tctgtccag aagcagcttg ggcagagcgt 480
cattgaggac agacctgcgg agctcaacat tatcccacaa ctccgtcttt tgcagctctt 540
catcaagctg agtgatggca aactgagcc tatcactgag gacgctgcga gggattccgg 600
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caagtcggag cttgctgtct tgcgtaatga acaaatggc accctcgacg atgtacggaa 900
tggtggattt gccgttctca ataagcttgc caacatttga aagatcaatt gactcgggcg 960
ccgcccgcag ggaacaaaag tgcgtatgt tagttccttg cgcagatgga acatgttgcg 1020
gaataccatt ccgttatgaa ccagctctcc g 1051

<210> 17585
 <211> 644
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17585

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caagaactcg tccgcgccga ggccgagtct ctggctcgctg aagcccaact ttcgaacatt   60
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gagaaggctcg ccatcatcgc cgggtatggg aaacaccttc tcgacctcat cgatgacact   180
ccggtcactc ctggtgagac tcgccaggcg tatgacggat acgacgctag caaggccatc   240
attcaggact gcgaagacgc cttggcaaac tgggtctcgt ccaaggctgc cgtcaaattc   300
agcttgctcc agcgttcacg tactctctct cagcgcgcgac aggataacat caataagggc   360
cgtgaaaatg ggggtggacct gtcgtcccag gaccagccct tgaggggtga ccgggattca   420
tggtgtgccg cagagcagca ccctagctac caccatgacg atgatgaaga ggctgccagt   480
gatggagaca tccgcggccg cgaagaagaa cgggagcctg tccctgtcta atcgagcact   540
cactgaatga gcagggcgca agaataccgg caaaacgata cattgggttaa tcactttgat   600
gctcttggac tccataatta ttgtacgaat gactgttttc ccgc                       644

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<210> 17586
 <211> 477
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17586

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tttataatag agtcatcaga taattacaca atcgcgaaac aaaaggcatg ttgagctcat   180
acaatgtaat cactgttgtc attccttggg agcgtctcta tgggcatcag cggagaatcg   240
cctttccgaa catgtcccat gcgccttatt cattccgttc ccaactgcag ccctacccaa   300
acaattacat aattctagcg gagctgggta gcgttatgga tggaacaaga atatcccttt   360
gttcgtcagt aaacgcccg caaagagtat ctacgtagag ccttagcaat ctcgtgactt   420
ataattgacc tactctgtcg cagtatggat gaattctgtc gtgctggaga gccggct      477

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<210> 17587
 <211> 858
 <212> DNA
 <213> Aspergillus nidulans

<400> 17587

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agggttgatg cggggccag ttcatctccc ctcttccag agtggaatat gaactatttt   180
aggcggcaat ggtaacctca acctcaacac cagcctcgat gttgatgatg atctgcttaa   240
cggctctcagt gggagcggagg aggctgtact ttatgattag tattgtttcc atcattcatt   300
tttctcatga agctcgtggc tccagagtaa gggccggagg tacatactcg atgagacgct   360
tgtggatgcg catctcatac ttgtcccagg tcttgaacc ctaccggtg ggggtcttac   420
gggtggagat gtgcagggtc ttggtgggaa gacggacggg gcccttgacc tgaagggact   480
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aggtagagggt gatacggatt ttgtggacct tctatatgca ggaagaccga ttgttagcac   600
aatagagtcg cagtcggcat tgaccagcgc gaccacttag aggaattgac aacgtacagg   660
gccctcgccg aagtccttct cctgcttgta agacatgttg acggtgagtt ggtgagtgag   720
accgggtttg agatgctgag gaccagttag cttgtggtag cgggtgaatt ggattgagga   780
atggacatac tgcagatgag gctggatgcc aatcaagacc tgaacttcga ggctcggtaa   840
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<210> 17588
 <211> 1018
 <212> DNA
 <213> Aspergillus nidulans

<400> 17588

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cacatcaaga actcctagcg cagtagaag aaagcaaata ttcatgaga catggaaatt   180
caagtcggag cagggccatg atatgacaca agcatgagga tcacctgacc cgataatggc   240
tcataatctg gtatcagaaa cttgcactcg gtcacaaac aaatctcagc agctcagaat   300
  
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tcctcttgtt cccggaaaaa cattgaaaag ctgatgattg ttccataaat cagtagacct 360
 ccgaggatgg acatgatcat ggcggggcact tgaattgcac cactgtgcgc aaggacggct 420
 gggagcgtg taaagatgag caaattagcc ccgttcaa atagcatagtat aggaaaatca 480
 tatcagaatc gaaaaatggc aatttcctga ccgacaatgc ctcatcattt tgggtagatc 540
 aacttaccaa caccatgag taccaggaac ccggtcaaga accggccaaa gtcggcaacg 600
 gcattgccag agctgtccat aaagtcatca gggttcgcgc atcttgagca gatccagttg 660
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 gccgaagaga gtataacaag gagaaatcca atcgcaagta cctgtacgtg atcaaactat 780
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 tagaccagcc gtcatgactg cggagacgca ggtgcgtcaa gctcaagctt caggcagcgg 900
 gcagcgggca aaggaagttg ttgtaggact gtcttgtgcg gaaagcaagc gactgcatat 960
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<210> 17589
 <211> 497
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17589
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 caccttccac caaatgtgga tttcaaagaa ggagtttgac gagcacggcc cgatcatcgt 180
 tgagaagcgc tgcaaataaa ttttgacat gtcttttgcg ctctggtttc tttccttatg 240
 tcctcttttc tttcacttca cactaaatct gcttcgttta ttttttttc cccctctctt 300
 ccgtttgaaa caatgattga agcttatggg agcctgtagg gaacatgtgg ttatatcttt 360
 ggcgtttttc tgcgctgtta tggaaggctg gaaagggaca tggttgactt tatttgcccta 420
 gaatcgaact cagactatgc tcgattttga gcattagaaa atttgtacga gtaatgtcat 480
 tgggattgag tgctttt 497

<210> 17590
 <211> 590

<212> DNA
<213> Aspergillus nidulans

<400> 17590

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cttgttcaaa gcgatgagtt cattgagtac agaacctggc caccaccttg gaagaagaac 60
ctgcctacat gtaggccata ttgacaaca gaatagaccg tagtagccaa gtaccagcca 120
gaccttatg tcccactgat aggtgcgagg gaaaacagca tatatagcta attttcgcag 180
caaacacggc cagatttcgg tatataaaat ggagattcgt acacaagaaa atctgcaaag 240
atggctctta ttagctctta aataaggtag tatgcctctt ctaggtccat gtcggtcaca 300
cctctagcag gaaattcctt atctcggcta ggtaaaaatg atgcttcagc tgcgctgacc 360
aatgcctata cgctcctcgc gagacctaac tatcctcgtt ttgtcaccag gtagaggctt 420
cagttcgtcg ctaggggtcaa agttgacacg ggtgccattt tgagcgggat cgtgaccact 480
gtttcgtggt tccagcttgc gcagtcgctc ctctcgaac attgtgagat catcagaggt 540
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<210> 17591
<211> 460
<212> DNA
<213> Aspergillus nidulans

<400> 17591

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gctttctaaa cccaactcgc cctctcagac aactgtctat cactgctccc agatacatta 120
cacctctcca gcaacggttc atctctcagt cgcccatcgc tatgactcgc atcatcgacg 180
caatcaagca agatcaccgc gagatcgagg actactacaa caagatcctc tccgcaacca 240
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ttggcgagga gcttgtcgtc taccgggtct ttgagaagaa cctccccgac ggccgcgcca 360
tggccgacaa ggaccgacac gagcacaaca cggtacgtct cgttcatttc ctaaagaaac 420
aatactaaca aacgacaggt caaagaaaag ctcaagcagt 460
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<210> 17592
<211> 252
<212> DNA
<213> Aspergillus nidulans

<400> 17592

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ctaccataa catcgtcggc tgcacgagag gcacagaaaa aaaaatcttt acagcttggc 120
cttctcactg aacctcggag cctgaagagg gtcgtaagca cccagggtca gcgtatcggc 180
tggcacagac gcaactgtgac caccaaccag accgcgcacg tcaaccatac tagggttgag 240
gtctgcgac tt 252

<210> 17593

<211> 341

<212> DNA

<213> *Aspergillus nidulans*

<400> 17593

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aggaggtgct ggcgctgctg gaccctgcgt cagcatgagc ctggatccgc ctagaatcgg 180
cgtgttgctc tcgtccttct ttgogtcac ctctcgtgcc ttccgctcct cgttgtcctt 240
cttcagcatc tctatcgtag gtgtttgctc gcagaggaag ttgatcataa aaggcattgt 300
gaagtcctgg aggccgtggc gccatgacaa ctccaggatc a 341

<210> 17594

<211> 810

<212> DNA

<213> *Aspergillus nidulans*

<400> 17594

acgttgga aa ggtaatctca tcgacccctgc cacaagtgg aatattcgcc agccataaac 60
atagaaagga aattcattca tgtttgtccc tttttgaact ttatccattt caaaggccca 120
cgcgattgta gattttctgt cttccaaata ccgtcattta ttgcccctt ctctctaaaa 180
taaaaagtgc tctgacggca taagtgaaga cccgtcccaa ctccaactcc gcgggagtgc 240
ccctgcatat gagaaaccgt acttcagatg cgaggctcct ttgccatacc agccctctcc 300
agccccgggg aacgaaaacg caacatcgga attgatttag tggttctcag gaccacgggc 360
gcccttggga gtgccaacct ggaagccgtt cttgaagcgg cgggtggacgt cccgcagggtg 420

agcgggtacgg ccggaaccgg tggctcttgcg tcgcttggcc ttctcgctcc agttgtctgt 480
 tgtccacgca atatcgtaag ccagagttcc cgtaatcata taccaccttt cgctgattcc 540
 ataaccattc aacaggagaa gaaagggata ttcgtacact tgcgagtctt agcagcgggg 600
 taaccgcagt ttgcgcaggt cgacttctgg atgtggtagg accggcggcc tgtaatgatg 660
 caaccattaa gcgttacgcc ttctatactg ttgattattc cgaccgttcc tggctattcc 720
 cgtgtagaaa accatgcccc tatacagtcg gaaaaaactt cgaagagata agttactgac 780
 cacaacgccg gcacagagtg tgagttttgt 810

<210> 17595
 <211> 550
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17595
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 accactaaca atggtttgct aactaacgcc aagtcaggaa ttcgaaatta caggctatgt 120
 tcgtccgccc tctctaataca gggggtgtta tacccaacga gaatgaaaaa gcccctttcg 180
 gctcgccgcc gacatactgc cagacgcagg gatacgggcc aacacggatc atgacgttgt 240
 ggcagttgca gagcagacct caggttgtct aaatctaagc ggaccggacc gggcccctac 300
 agcgacgctt actgtttgat cgccgtcggt accgctgtgc cttccgtcga ggaaggccat 360
 tcttttgaat ggatttactc agaaagtccg aggttctcct cagcaggac cacacggaca 420
 gtgttagtgt ggcccatacc gccgcgccac cctgaacaca gacgatgttg tcgcccttgt 480
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 cctgccagat 550

<210> 17596
 <211> 684
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17596
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caagatgccg cgcaactaga cgcccgatt accgacttaa aattgggtcga tgcattcaca 180
 gtgctgctca acattgtatt tgtcgctggt agcgaactta gacttccagc cgtcatcggc 240
 gtaggagaag aaaacggaaa catcgccaac cttctcgacg agggacttga tggcagtggc 300
 ttgctgggac tgaccgggaa tagccttgcc gttagcacta cggcggttgg gccagccggg 360
 ctggaggcta atgacgtcct tgccagtgcga gacctgcttc agatccttga tctggttgct 420
 gacgagagta ccggcctcag cggcgggtgaa ctcggggttg aagaaggggt gaagggttcgc 480
 acccaggata tcaacgacag ggcagagagt agcaccgtta ctgagccaga cgtcgatagg 540
 ctcagcgggtg gtaacctggc cagtgtagcc ggcggcagag aaagcgctgg cgccctcgga 600
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<210> 17597
 <211> 747
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17597
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 caactgctac ctaggacttt ccaactatttc atcgtttaca aggctagtca tcgtacactt 180
 cctcatagat ctctcgtac tcctccctgg cctcttccag cgctcctcc tcaactgctgc 240
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 cctcctcacg gtcgctggag gaaacggagt caccgtccgc cgtctcatct ggggggagac 360
 caacagggtg aggagcagtg gcctctggcg gcgccgatgc tgctgctgcc gccgcgcggg 420
 tttcatcgtc cgagtcgtct gggcctgtta gccattcaag cccctataac cagggcatag 480
 ggataagata gtttggattc ttgagcata ccgagtgcac tcgcaatcag cgcacctccg 540
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 ctcttatect tatecttgcc cgacttctct ccaactatagt gttctcctcc ctgagagtaa 660
 ccatacccag gggcgtaccc tcctgtggt ccgtaccccg ggtgataccc tcgatcctgc 720
 ccgggccctc ctccatagta tgggtcc 747

<210> 17598
 <211> 576
 <212> DNA
 <213> Aspergillus nidulans

<400> 17598

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attcgaaaga gttcgtgttg gtcgttctat agcgtgctc agtagaaggt gaaaatgtga 60
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tgggataaat accccgggaa tcattaataa ggtatttcta agcaatcatc cgaaagaacg 180
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ataatactga aaagggcctt gctgtcaatc agaaccttta cgccgtcctg ctcgacgacc 480
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<210> 17599
 <211> 537
 <212> DNA
 <213> Aspergillus nidulans

<400> 17599

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aaatcgatga gaaaagaatg tatcgtgggc acagccctcc agcatctgat tcccgtcacc 120
tataccctca cccggaggga taaatggcga gcatccaggt aatcaccag cctggacagt 180
aggagatgac cctactaggc agctgacagt tgatgggcac acagtaagag gtatattgat 240
caataggaaa ccgattgagt cacagactcg aagtcttagc cctgctcgtg gtctgccaca 300
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caaatctgca tccataccca taccgatgg gatgtatcgc agcaccacgt tgcattctgct 420
ccaacccgca ttcggattcc agtctcatc ctgtaccaga agaagcagac gttcagcagt 480
aagacaacag ttggctctca gaaccagtgc tgtcaagccc gctgataatg gacgaaa 537
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<210> 17600
 <211> 487
 <212> DNA
 <213> Aspergillus nidulans

<400> 17600

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 actacagggg ttcgcgcaac gagaggcaaa aatcaattat cgagaggcaa tctattgctg 180
 aggtgtgttc ttgattctct attgcattca tgttgactta taactgacac tacctaactc 240
 aggttatgtg attaaccagc cactgttctt attttcgagc gcgaggctgc aaggcgctca 300
 cgcggcattc tattctcggc tcattcgggt ctcaactcat gtagggctag tcatgacact 360
 catggtgtag cataggttcc ggcgttaagg gcgggtagtc atcaaaacag attcccatta 420
 tatagtccag tctggcacgt aattgtcctt agataccatg gtttgaatca tattaaccct 480
 aattata 487

<210> 17601
 <211> 516
 <212> DNA
 <213> Aspergillus nidulans

<400> 17601

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 caaagggaaa gggaaacagc cagcatatgg cagcatgcgg agtgtcagcg ggcagtctgt 180
 aagcagcagt agaggcaagg gcaaagctgc cacttctggc gggaagtcac ccttgaagag 240
 caagtctgtt tctgccgga atggcaacgc cgactcggac tcttcccttg atgggccttt 300
 gatgggctcg ggcgctcgag gtggtgtcaa tagtgatgga gatgatgatg atgacgataa 360
 tgattatata gtaaggacgg atcatttggc aaagacggat gccgacggtg aggatgttga 420
 ctaagtccag tggttgcaact gaaacttccg ttgtatatat tactcttgtt cacgtggatg 480
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<210> 17602
 <211> 948
 <212> DNA
 <213> Aspergillus nidulans

<400> 17602

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gcaagggttaa acaggcctca acaaccaat tgcagtcgca tataactgcc tcgtcataaa   180
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cctcagcaca ggctttgtaa gccctactcc tcgcggtaga tcccgttct gcagctcgga   300
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gccgaggacg aggcaggcga tgtagcttag ggctgcatgg aggtacgatg tgaggctcgtc   720
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gacagctggg ccgcaggcaa cgaagatgac ccttcttgt aggattttag ggagcacttg   840
gaggttatcg aggccagaga ggctgttgtt ggagttgtat gtggcggttt gtggtttcgt   900
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<210> 17603
 <211> 385
 <212> DNA
 <213> Aspergillus nidulans

<400> 17603

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gaaacaacaa ccgaaggtaa attcgatctg gaatttacta ggatttctcc cgcaattatt   180
ataaacgccc tacttgggtc ggatatttgt actagttatt tgctcgggaa tatggcgcat   240
  
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 aaaaatgaga aaatatattg tgata 385

<210> 17604
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17604

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 gaaaagcgtg tttttgattc taccagcag gagacagtcc tggcctggca ttggactggg 420
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<210> 17605
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 <213> Aspergillus nidulans

<400> 17605

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gttcgatggg aggagtgatt acgatggttt cattcgaaac ggcattccag gcggcggtat 480
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aactgcttgg gaggtcaata gcaaggtata ttttgaaatt ctcggtgctg gtacaaagct 660
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<210> 17606
<211> 597
<212> DNA
<213> *Aspergillus nidulans*

<400> 17606
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taggttttga caggcaatca ctatctagt atcaccaagg ccaacagcgt tcttgacctt 180
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aactcacttg tggagaaatc cttgcgagca aagtcagaca tggtgataat tggtgactgg 540
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<210> 17607
<211> 476
<212> DNA
<213> *Aspergillus nidulans*

<400> 17607

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 gatggcagag aattttggcc aagggggtgg catgccggac atggcaagct taatgagcga 180
 cccgaacatc gcaaatatgt aagtcttgtc gtgctagctt tcttcgggcc cagagcacta 240
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 ctgaaattgt ctcggtacat gtgtttaaag tatgactatg atattgagaa gcatatagat 420
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<210> 17608
 <211> 361
 <212> DNA
 <213> *Aspergillus nidulans*

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 attttctaata acctcgacgt ttatttggtc cgtcccagat cgagcctgct ttgctctcaa 300
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<210> 17609
 <211> 415
 <212> DNA
 <213> *Aspergillus nidulans*

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 ttgcaggacg cgtatgtatg cagggtactga caggaacgtg tgcgctgctt ctatccggaa 180
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ctctagctct cgtcgtcctg ggccccctaca gtgaactttt tgcgcccagc tccagtgagc 300
 ttttggagct tgaccctgtc cagctgctcc cctaccttct ttctgattct ttgaatctcc 360
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<210> 17610
 <211> 419
 <212> DNA
 <213> Aspergillus nidulans

<400> 17610

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 acgaaaccgc tgagttgtag tatccataa cgccgtggag ccagaggacc cttgtttgat 120
 attgaagttc agaaactaac tcatcatgct ttgtcattgg ggccggttag cagtccacaa 180
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<210> 17611
 <211> 402
 <212> DNA
 <213> Aspergillus nidulans

<400> 17611

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 aggagcgaag gaagtccaag caggagaagg acgacagcga tgatagtgat tagatcattt 180
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<210> 17612
 <211> 733

<212> DNA
<213> *Aspergillus nidulans*

<400> 17612

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gttcgacaag tgggctcgta agttggaacc tggccagatg ctcgttcagc cgtactaata 120
ccgatgcagc ctgggggcaag cgcgattact cctgcatcaa tgcctactca gggcctaccg 180
gtttgtgcct tgactttgct tgagatatac tctcttactg acagtcttct agagaacagc 240
acattgacta caggcacccc gcttgagatc aagttcaacc gcaacagcgg ccgctgcgat 300
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gcaaccagcg tgaccttcac tctgccggat gatctgcccc aggttgccga cgacactgtc 480
tggtaccttc gtctggacac ttatcttctt actgcgcccc aggttcgtcc cctcctctgc 540
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ccctttccga atcgtgcaat aagtgcgact gctcgtcttt tgtatggtag tctgagaatc 660
gtttcttgct gcgcgttcct tcagtttgac agatcgatag tgtatgtaat aaaaagatct 720
tattatcagc ctt 733

<210> 17613
<211> 744
<212> DNA
<213> *Aspergillus nidulans*

<400> 17613

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gtcaaatac ggacatttgc acttggggaac atcaagatcg gcgatattct tagcgaagtg 180
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cggaactcg gttccaatgc cactttccta aagacaattc ggtcgggcga cacctcaatg 480

cttcgcgtct gggttgggtct tgaagctcgt ggcttactta gggcgagcat tgagagtgtg 540
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tcgagatacg ctgcttatgt attatatatt tattattctc ctggctctcat ttttgtgggt 660
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tgataaactg ataatacttg ttcc 744

<210> 17614
<211> 462
<212> DNA
<213> Aspergillus nidulans
<400> 17614

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ggactatgct aatgtctcac agcgaactac gtccagttga attagtgagg atcagtgata 180
tcttagcggc ttaattcta ttctctgcaa attatatgtt cgcttgaggat ctcacaggc 240
tttactcgca taaagaattg ttactcggtc atcgctctgc actgctgtgt ccagggtggca 300
ttaactgtcg ccgtgtatat atataccttg gggttcgagc aatgattcac gagctgctgt 360
gctttgccag cggcgttgat tcttgacctg atacctatcc tcgaatgttc ttgacgttgt 420
gtacaaagat gaacaaatag cttggactcg tgccaagata tc 462

<210> 17615
<211> 167
<212> DNA
<213> Aspergillus nidulans
<400> 17615

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cttctgcagt acagcccaaa gactaggtcc aggtcgccgc ggctgga 167

<210> 17616
<211> 280
<212> DNA
<213> Aspergillus nidulans

<400> 17616

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agatcagaaa cagattaaat caaaacctgt caatactccg agggacccca gaaactccac 120

tgagtacgat gcaacgatcc cttactccgt ccatgatgag agtcaagaaa caccgcggaa 180

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<210> 17617

<211> 180

<212> DNA

<213> *Aspergillus nidulans*

<400> 17617

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agcgggacta cgggctcgac ccctcacata gtaggaaagg gaattgtagc gtatcccccg 120

ggttgtgccc ttcccaggcc tcgaccttct ttgtcaacgt ccatcccacg gaaaccttga 180

<210> 17618

<211> 405

<212> DNA

<213> *Aspergillus nidulans*

<400> 17618

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gccatccgca gtcgcgttta atccgacccc tctgcagtat gctgctgcga taggcttccc 180

acagcgcggg caccaaacca tgtgatgaaa ggatatgtgc agataggcat atatcactgc 240

cgcgggttac ttttgttcct tggaccctgt ggaggagcat ccgtcataat ctcatcactg 300

tattggccag tcttttgggc tccttggttc tcgccttggt cacctccgta aaagtccctc 360

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<210> 17619

<211> 305

<212> DNA

<213> *Aspergillus nidulans*

<400> 17619

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cctagccagc aaagttccag accagaccaa cgggacaact ccgaccggac gccagcagct 120

tagaaaggca tcttcatgtg gaacattcat ctcagacgat atatagacga tgtatagcgt 180

tttatttctt gtatttgttg tatgtatcga tgaccttctg cacctcgtcc cgagagccga 240

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<210> 17620

<211> 487

<212> DNA

<213> *Aspergillus nidulans*

<400> 17620

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gactccgacg taaccagact cgcaatcgat caaaattatg tataagaagg aaagattatg 120

aagcgtagct gcaacagggg ctgaaggcgg ggatgcgttc gcaaaagtgc tttttgtaca 180

gtggaagaag gtagaggaaa agttaaggaa tgctgtatgc cgcaacataa acaaagggca 240

gggacaagga tgaatgtggg aaaactcggg atggaaataa taggcataag aaaaaagtaa 300

agttgcaccc aaccgccc atgtgtatac cgaacgcctt ctatcgggga atcgacaaat 360

ggtgcgacaa gcaaagaagc agaagactac tcgtcaaacg aaaataagaa acagatcaga 420

acgcagtggc aaaaaaaaa accgacatgg agccgtcaaa catgatggga gtaaattggag 480

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<210> 17621

<211> 308

<212> DNA

<213> *Aspergillus nidulans*

<400> 17621

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caagacgcca gcccaaccaa gatagtgagt gaaacaaaaa tcccagact cagagcgaaa 180

ggaatatcag caagaaatta caagagaacc aaagagggag agcatcaggg acttcccaaa 240
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gaggccat 308

<210> 17622
<211> 369
<212> DNA
<213> Aspergillus nidulans

<400> 17622

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ttcatgacat tttctaactg agagtgtcga gcatcaaggt cattgaaggt ccaaataaca 180
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ctgggagta 369

<210> 17623
<211> 443
<212> DNA
<213> Aspergillus nidulans

<400> 17623

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gaatatt atgatttaga gtatggaaca attaggtcgg ctttctcact agttgtctgc 300
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<210> 17624
 <211> 395
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 17624

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 tgattgcgtg acacgtatga tacaaaagaa tgtgggtgag aattcaattt ggaggattag 180
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<210> 17625
 <211> 527
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 17625

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 cgggtattta tcaccgattt acgaccgata ataaaaatgt aagttttttg gccttattga 240
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<210> 17626
 <211> 445
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 17626

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<210> 17627
 <211> 431
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 17627

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<210> 17628
 <211> 364
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17628

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gtgggtgaga attcaatttg gaggattagg tttgtcatgc tacaaaagaa caataggaaa 180
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<210> 17629
 <211> 467
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17629

gggatctacc aaaccttttc gacttctctc gacatgggtg gtttgagctc cggttttctc 60
 tctaggacat aaacgaacta tttagactgg atgctgacag caggctacag aactctcaat 120
 cgcaccttca atgaacagtc ggcttgtccc accgcattca cggcctgcgc tcgaagctcg 180
 cggactatat atcgacgact ttaagcctct gaagaaagaa gaaatgatgg cacaccttga 240
 ctgagtcaac gtcatagtgc tgatgaatta cagcccttc atagtgcac agctcatgca 300
 catattcgcg aagatttgat gccatgccgt gcaccttcac ttccatgcat ctggtggttt 360
 ttgaactagc agaggtttat ttacatctgt agacctaatc cattggtgag gcatccggga 420
 gctggcttct ctgtatcggg ttcgaggaaa gacaaaaaac gcattct 467

<210> 17630
 <211> 413
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17630

agcgtcacta gtcgcagaac atggaccgga ccgggtcgat attcgatgt ttcatacacc 60
 gaatttgact gggttgcgga agagatggat tcctcgacgg ataaatgagg gctgggggct 120
 gcagcatatg aagctatacg gtttcgacga cgaaattatt ctctctgggt gagtgccttg 180
 tgttagaaaa caaagactcg gtgactaacg accgcacagg gcaaactct caaatgacta 240
 tttcacgaat cggttagatc gttatcatgt gttcaactcg aagggaattgg ctgattacta 300
 tgcgcgcatc cacgatgcag tctgcagcct cagctttaa gtccttcacg atcctcacia 360

taaggccgga tacgtttctcc agtggcctag tgctaatagt gctggatcta ctt 413

<210> 17631
 <211> 309
 <212> DNA
 <213> Aspergillus nidulans

<400> 17631
 tagaagaatt ataaatatat tactaattac tagaacgtac aacaaattga ccaaacctct 60
 atatacagct gtgatacttg ttactcagcc ggtgtgatac ttcggcatct gtaacgagca 120
 tcctcctgtt cagatacttc ctogaatcac gcaagctgat attcctccgg aatttcaggc 180
 cattcgtcaa tcccgcttag caaagccaat gccatgcctc cgctttgggtg aatttgaatg 240
 tggcaatgca acaggaacgg cccaggggttg acgacatggt acctaagggc caaccatgtc 300
 ggaccagta 309

<210> 17632
 <211> 483
 <212> DNA
 <213> Aspergillus nidulans

<400> 17632
 atctgtagtt attgagatgc cggatacaag agggctatta tcaagacata gacaaaccat 60
 cgctagcgac tagcaagcaa attcagaaaa caggacaagc tggatggggc tgggtaagcc 120
 gacatttgtg gtgagcttga gtaaagaaca ctatccgcaa atatcacgga gtgtcaaattg 180
 atgaacactg ataggaagaa aaagaaaccg tcaaggggta gtcgagagta aaaagatatt 240
 agtagagatg aatgcacact cctgcttttt ctaccgtacg taaaacggcc actaccacct 300
 gctttcagtg gtatagaata ttgttcagcg acggccgtgg ctaccagtca atgagccttg 360
 cacgctttcc atctcactat cccaagctta gatgctgcgt cctagttaga ccaacgatcc 420
 tagacgcgac ttatacgaaa atttctggga ctttcactat cagggtagcc tccagattct 480
 tgg 483

<210> 17633
 <211> 378
 <212> DNA
 <213> Aspergillus nidulans

<400> 17633

atttctttat cattcattat tgtactaatg tacacaaggt agggacagtg cagatattag 60

agacttcagc acagtagaga cagaaaggta aaagttcgaa cagcaaattcc ccatgaacta 120

tgctatcatt gcaactcagt gaaagttgga aagttggatt gttgaatggt cggaatagcc 180

tagacatcca gatcgaaagg cgaaaaaagg tcggcgaaaa agtcggaaag tcgtaacgtc 240

gtatcagaca atcgtgttga ttgttcagct caggacggcc tgtggtcggc tcgtgctgca 300

ttcaaaccac cttactgaat ggtgatcttt ttagcagtcg gaggcacagc cttgggcacc 360

acaagagaaa gaataccg 378

<210> 17634

<211> 317

<212> DNA

<213> *Aspergillus nidulans*

<400> 17634

accgataagg acaagagtgg atttggggta tatcaacaag aaaggaaatt gcagggagca 60

gtaggtagac atgtataaat agaagcaaatt gatgtatgag ggagaggcat cacgcagctg 120

aataccaacg gtactctagc agccagaagt ggatggtaac catgagaccc tgaagggaga 180

cacggtgttg acaagatctt cgtattcgag ggtctgtttt ccgtgtacct cacaggttag 240

gcagccggaa tgcatactca tactcagatt gatcaagtga ggtcaaagct ggaaaagaac 300

tggtcctaga ggctttc 317

<210> 17635

<211> 350

<212> DNA

<213> *Aspergillus nidulans*

<400> 17635

tgaagaacaa ttgacttgat gttaactaat gctaaggcta gctaccttcc acatcgcaat 60

tggataaaca agctggacac cataacaacc cacaagccga tccaagatag aagcattgct 120

gcagacgccg gtggcatgca aaattctagg aatacatgga atagaagtag aacgctggtg 180

aaaacggaga cagaacaagc catccagcgc ctaagcagtt gagacacgtt aaggaaaggt 240

aaaatcgaac aataccacca taactcatag cgtatcgtgc taaagtagag atgtctcaag 300

agatgcgctg cgtgtaagtc taacaactaa cagcccttac ccatagcttg 350

<210> 17636
 <211> 439
 <212> DNA
 <213> Aspergillus nidulans

<400> 17636
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 acgggtccaga tcattattca tcgagccatg tccctttccg cgcttaattc tatataccgc 120
 ccatactcca ggggtgatga agataatgat atttagaaca tttggccccg atcatttcca 180
 cggagcaccc ctacattctg cactgcagag taggtcagtg catattccca gttccctcaa 240
 gcaccttgat ggccggaata gtcceaactt ttgtcttcca gggaccgccg ccagcaggga 300
 cgatagatcc ggtgctggct gtgtccattg gcgagtcggg gataactgat atgtggggaa 360
 ccactatatt cagcctttg gtgacactgc cgctaccaga gaagcagggt ttatggcgag 420
 gaggcagagg acgatgagc 439

<210> 17637
 <211> 608
 <212> DNA
 <213> Aspergillus nidulans

<400> 17637
 ccaatggata caaatcagcg aaagaatgta ttgagaagca atcattccag ctggggcaaag 60
 cgtacgtcaa ctgcccggac aatgatgtgg acgttaacta accaagtgcc aagaaccctt 120
 ctctgttgca catggggaca agatggagct gcggctcttg aacctcgtgt tgggagcgcc 180
 gtacagagtc cggcttacac gccgaagggc tttcaagttg tggagtatgt ctgccagcac 240
 tacattgcct gtcgagtcg actcgctaac ataatctcag tactattggg gcaggagaca 300
 cttttatagc cgggatgttg tatggtttga ctgttaaggg agatacttgg gatctttcgc 360
 agaagctaag catagcgaac cgacttgccg gaacgaaggt agcccaggag ggctttgata 420
 atcttggaag agttcttgaa ccgctttctg accattgaaa gattttctga ccgcatatta 480
 tgcgcaacgg ttatgaagaa agctgatgaa atgatgtata tttcttccaa ttgatagaca 540
 ctttttagga tttttaggat ttgggattac gccctcatgc ctaggaacat aacagtgcac 600

attttctc

608

<210> 17638
<211> 365
<212> DNA
<213> *Aspergillus nidulans*

<400> 17638

gaatcttcag tgatggcgca tgagacgttt gcatgcgctg aatggttttg aagctcgaat 60
taagtgtaca taaaatacag gaggttcggt agccaagcgt ctatcttggt caatcgcaaa 120
tatcaaacag agagtttatc caccaactcc ggactgagaa ctaaccgcgc caacgccttg 180
ctacacgggtg aaatcgaaga ctaactaccc tttcatagta gacaagaacg agtccagggt 240
gtactcttcc tggtagtggt ggtcggtcca cagctcgccg agatcatcaa gccacccctt 300
cttgcccttc tccttcaatt cgccgtcaat gtcaaccatg tcgacttctt tgccgcctat 360
ctctg 365

<210> 17639
<211> 338
<212> DNA
<213> *Aspergillus nidulans*

<400> 17639

cacaggtcga cattcaaggc ttgacatgaa atttgtacaa ccctagtaag gtgaatcagg 60
tcgatgccat actcaacagg ctacgtcca tcggcaaaac agcgtttcta aggttcgcaa 120
gaaccgagaa ttcaaattcc cagtcgcccg cacactgcga catccgacag ccatctttga 180
aatggatcgc tagatgggtc ggcgcgctcg attcagctag gtaaagatgc tgcacagaaa 240
ccacagcggc tctgaatatc ggtttgccg gatcgctagg cttcaagggt tggcaccgga 300
tattgtgtac atccatgaaa tttacgcaga tgctgcca 338

<210> 17640
<211> 438
<212> DNA
<213> *Aspergillus nidulans*

<400> 17640

ctataattat ttgtttcaga ttgtttcgaa gtatatacat tctaagacgc tgacccacaa 60

tcaagtaaca agacggcatg ggtagctcca ctttccttt cccaagcacc ctcaattcag 120
 ggtgaggagc cctggccgat atggcagaag gtcgtagccg gggttgaggc tgggatctcg 180
 gccctgatag aggagctgca ggttgcaagg gtcgatgctc attgtctgat ccgggggtact 240
 gcgcacaaga atcccatggc tgatatcgtc cgtccagggtg gcaccgctga ttgctttgcc 300
 agcaaaaggt gcgctctcag tggcgcctg cgggtgtccat gagccaccaa ggctgtcggc 360
 agtgaatgac cggaaatagc gcccctgtgc cccgatcgct tcgacaatca ttaggtatgt 420
 gtcttttgctt tgacctga 438

<210> 17641
 <211> 304
 <212> DNA
 <213> Aspergillus nidulans

<400> 17641
 ggaagtccag ctgagaccgg tacacatata tatattttgc tcagccatgt acgatgcagt 60
 agatcttttag cgccctctcc acgaccaaca attatatcca cgttcagcac gaaagaggaa 120
 atgggcgaga atggcccttt cactagagtt ccagtctggt gcaagcccta ctggcaagga 180
 tatttcaaca aggcaagaac gaccgaaaga gggttatttt aggggaagta agttgtggtg 240
 gaatgcgcgg ccgttccttc gtgcgtatac aattacagtg cgccttccca atacctagac 300
 aatc 304

<210> 17642
 <211> 327
 <212> DNA
 <213> Aspergillus nidulans

<400> 17642
 taatctaaca atgttccttt aactcttgat tcggtttggc gaaccgagaa actgggtatg 60
 aaaatcggct ttctctgtac aatcgctgaa gcatagatga aataagctaa agctatgaca 120
 aaagtgtcga ttctgaggaa tactgcttag agttcacggt cggcagcctt gacaggcttt 180
 tcaactgtctt cctccttggt gtctgtaact tttctgccct tccagcctag agccttgagt 240
 ctctcaggaa ggatgggatg agagtagtgg tagctggcgt acatccagtc cgcattcata 300
 gtgctcaggt tctggatctg gagcttg 327

<210> 17643
<211> 351
<212> DNA
<213> Aspergillus nidulans

<400> 17643

ttgagcgggc ggatttgcta tggattttca atttccatcc tacggagagt tttaccgatt 60
ataggggtcgg tgtagaacia gctgggactt atcgggttgt gcttgacact gatgaccagg 120
cgtttggggg cttgggaagg atcgatcagg ggactagatt ctttacaacc gatatggaat 180
ggaatgggag gaggaattac ttgcaggttt atattccgac taggactgct ctggtgagtc 240
tactcgttct tgaacccttc atgccttttt ctcttcgtgg ttgtcatctg tatacgaaac 300
tcgatactaa tcacttctgt tggatgtagg ccctagcatt ggaagagacg c 351

<210> 17644
<211> 315
<212> DNA
<213> Aspergillus nidulans

<400> 17644

caagaacttg atttccacta cgtacttata actaaciaac cactaacatt tataggtagt 60
gaatcgcagt catagtaaaa tgaacttttg caataggctc aacaactcca gcggtatcat 120
gccaaccaag aaaagacaaa aaaaaaacca ctgccaatga gaaagtaaga tataaacaag 180
aatccatca tacacttagt tccccggggt taaaccataa aactgcctaa attgaggaat 240
tgaatggtag gcacttgca agggccggtg agaggaagtg atgatgggag agaggcaatt 300
gtttctcctt ccttg 315

<210> 17645
<211> 390
<212> DNA
<213> Aspergillus nidulans

<400> 17645

acaattaaat ctgtagttat tgagatgccg gatacaagag ggctattatc aagacataga 60
caaaccatcg ctagcgacta gcaagcaaat tcagaaaaca ggacaagctg gatggggctg 120
ggtaagccga catttggtg gagcttgagt aaagaacact atccgcaaat atcacggagt 180

gtcaaatgat gaacactgat aggaagaaaa agaaaccgtc aaggggtagt cgagagtaaa 240
aagatattag tagagatgaa tgcacactcc tgctttttct accgtacgta aaacggccac 300
taccacctgc ttctcagtgg atagaatatt gttcagcgac ggccgtggct accagtcaat 360
gagccttgca cgctttccat ctactatcc 390

<210> 17646
<211> 394
<212> DNA
<213> Aspergillus nidulans

<400> 17646
gagttgatgt ctatataaaa ttatctttta ttgttgaact gaaatcaagg attatggctt 60
aaatatgtaa attcacgcac aatatgggtga gtctcgtccc aaaaccctta cgacccgacc 120
agaactgctg gattcatatt cgtctggctc acatcttggc cctgccgctt cctcaagccc 180
caatttccca ttagttggag taatacgtt gtgattcccc cgccccttgg ccagggtata 240
tatcaacatt cgaggcactg gcttgggaat cataatcccc agccgactgg tcaagccccg 300
ccgcccgcac aattaacctt gccatctgaa tcccctcgtg aatgaacgga tgccagtatt 360
ccgttccccg ctcgccgctt gtgcccccg gggt 394

<210> 17647
<211> 394
<212> DNA
<213> Aspergillus nidulans

<400> 17647
tccagctaga ttgtctctcc tggatttgta gaacctaaac gtcctccgct ttcgacttag 60
aaagccatca acatcaatac ttaacacaag aagtcggaaa gaaacggatt aagtacacaa 120
atgcaaacia tcagcgatcat gaagcgagaa ctagcctcca gcaggactcg acaactcagt 180
tgccaccatg attcgtgtc gaacgttttc gtgaccgtat aatatcgtaa catcgtgatc 240
ctcatcatcg ctgctgtaag tactgtgcga gaaggtacat cactgaagag gaaaagagcg 300
tagttttgat aaatgacaaa catatgcttc gggctgaaca tgcgagacac gaaagggaaa 360
taccggttcc cagaacaaaa taaggaaaaa cgta 394

<210> 17648

<211> 370
 <212> DNA
 <213> Aspergillus nidulans

<400> 17648

cactgcgttg agtaaatacca ttcttgggt atcagtgatc tcacgtctat ctctgcccac 60
 gtcaaattac cagacgtgc ctttctctg caggattaga tagcaaataat cgctctctgc 120
 cttacacgat ccattttccaa acagcgacat tggaacagga gtagaccag tatatatctt 180
 ctcatatcat tgaaaggga ctctttattg ttccgacttc agtcaaacgt tgtcttctg 240
 ccctgaccct caacaatagc gccgctcagc ttctgcacgg tggactcgtc gtagcgggta 300
 taatccggct ttgcgttctt ggcttcttc tgttgaggct ttccagccgc gacctctcg 360
 aaatcaccgg 370

<210> 17649
 <211> 338
 <212> DNA
 <213> Aspergillus nidulans

<400> 17649

gagtttagcg aaaatgaagt gatttttctt ttccccgagt ctagttattt tatgggctat 60
 ctcaatgttc cgagaggga agttgaaaa gtctgaggac cttccagaga gcgagagatt 120
 gtcgtttttt caacaccagc cataatggag cagaaccggt ttattttctg tgaagggatg 180
 ccgaccagtg tgataatctt gaagctgcga ttatgaggct gcggttggtg gagcatgcat 240
 gccatgggc acggcccttg agcaagaaa gagacaggac gcggcataaa ttgttgcttc 300
 tctcacacag ccgacgcacg atctagttac aggagtca 338

<210> 17650
 <211> 311
 <212> DNA
 <213> Aspergillus nidulans

<400> 17650

agaagacaat attcagatcc agttcagttc tatgtacgga gagccaagta aaaaggtaat 60
 gcgcaagacg aagatttctca atgcaaaaag cattcacaga atgacagcaa cataatcgct 120
 aagcgcgagc aaaaggactc aaaagtcaaa cagttctctt cagcaaggca gtgcagtaaa 180

caaaggataa aagctatgca cggctgacaa tgtcaataaa tggtaatgct gggatatagcg 240
 cctcgtctcaa acgccgatgg tagataagag agaaaaaaaa aaaaaaggca cttttcccaa 300
 ataggaaatg a 311

<210> 17651
 <211> 485
 <212> DNA
 <213> Aspergillus nidulans

<400> 17651

aaatatcacc aaactgttta cttccttgtc actgtatcca ctgactcgcc gcctgcacat 60
 gtctcaattg caataccaag atttgatacg cagagctcaa agggagggtg gtgacctgag 120
 cctgaaagct tactttccac tgtaagcaag cccatacacc cgagacatgt cacggtttcc 180
 tgacgccaca ggtatgtttg tattggacgg aaacctcggc gttgacgggc agtggaacga 240
 tgccaagctt ggtgttgcca tacctcatgt agcgtgagaa ccccatccct tattgagtgc 300
 tccgtctctg tgactctccc ataaagagct tcagggttcg tcaaccgggt caagacgtca 360
 acacaagtca gagtggatgc ttcagctcaa aaggggtcag taaaatgaac ggcattgtat 420
 gcatgggtcca tcgttgctgt ccaaaggaga aagacagata acgcaatata tacaacatct 480
 ctggt 485

<210> 17652
 <211> 373
 <212> DNA
 <213> Aspergillus nidulans

<400> 17652

ttaatgtagt cgggaataag agattcgcta gtgtatagaa gctaaatgta agtaacaaag 60
 gagacactgg aattcgtatc ttatatatat ctggccacac cgttccgtca gcgcatattc 120
 acgccctgct gcattcctga cctagcttgc cgttcaaact acctccagga agtgcttatt 180
 gtctgcgtgg tcctagcaca tcctcgttc acttttagcag accgattcgg attactctcc 240
 cagacgatcg atccatcctg ccgtttcttg aggaacttga attcgaacga ggtccccaca 300
 ggcagctcaa tggccacagt ccacaggggg tccgtagcgg tatactgggc cgcgacaga 360
 gcaactgcct cgg 373

<210> 17653
 <211> 397
 <212> DNA
 <213> Aspergillus nidulans

<400> 17653

tatgaatggt ataacatatg tgaatgcagt ttatgatcta tagttactga gcagtccact 60
 cacgcaagca atacgccctg cccggttaact ttctgttcac acatatgata tccaccagac 120
 tcaacctact cctttctctc atgcacccac ccgataatcc tctttgcctt gtccgttgtc 180
 cagaacgcct tattccccctc taagcccggc ctgatctccg cgttcggata gtatttcttc 240
 gcaagctcag cagacggcgt gctctgcgtt gtcgtcggcg ctgcatatt caacacctgg 300
 cagcctttga gattctctgc gcgctcaaca gaaagaagac aggccctcgc aacagcctcg 360
 ggattcacc atccccagag ctgcttcact gctgctt 397

<210> 17654
 <211> 421
 <212> DNA
 <213> Aspergillus nidulans

<400> 17654

ataaacgaca acgaattcat aaatgcatag aagagcgatg gtatcaatga cagataatct 60
 cagaacgcta ctcaaatac atcagcctcc aaacatagta aggggagaaa tcaccgccga 120
 attggaaaag agacctcact atcccccggc ctagccaatg ccttcccaca gcgtctaacc 180
 tgctttaga ccagctcctt ggccaggtaa tctgctgcg catccacaat cgtctctatc 240
 tcatccacgg cgtcaagacc aatttccgcg aggccattcg gcacatcgaa acggaatagc 300
 cggccctcgt catcaagctc gctgtgttcc tggatgaact tggtcgtttc gacctcggga 360
 tcgactacaa cttcagcgt tttcggaat ccaaactc cgccgacgcc gcttgtcttg 420
 c 421

<210> 17655
 <211> 335
 <212> DNA
 <213> Aspergillus nidulans

<400> 17655

aat t t t t g g c c a a g g g g g t g g c a t g c c g g a c a t g g c a a g c t t a a t g a g c g a c c c g a a c a t c 60
g c a a a t a t g t a a g t c t t g t c g t g c t a g c t t t c t t c c g g c c a g a g c a c t a a t c a t a t t a t 120
a g g g c g c g t a a t c t c a t g g g t g g t g c c g g a c g t g g t g g a t c c c a a t a g t c t g t g c a c t c g 180
t t c t a t t g t t a a t a c c t g c g t g a c g c c c g a c c t t t t t t c t t t t t c g a t c t g a a a t t g t 240
c t c g g t a c a t g t g t t t a a a g t a t g a c t a t g a t a t t g a g a a g c a t a t a g a t a t g g c c a t t a 300
g c c g c c t t c t a a t g a t t c a a c t c t c a a t t c c a c t t 335

<210> 17656
<211> 615
<212> DNA
<213> *Aspergillus nidulans*

<400> 17656
g t g t c g a g g t c c a a g c c g g c g a t a c t g t a g a a a g g a c c a g c c a c t t g t g t g a t t g a g a 60
g c a t g a a a a t g g a a a c a g t c a t c c g c a g c c c a c a a a g a g g g a a a a t t g c c a a g t c g t c c 120
a t c a a a a a g g a g t a a g t c a t g c g a t c t t t c a t c a c c a t t t t a c c c c t g c t c a a t g c t g t t 180
g c a a t t c t t t g c t t c c c t t t g t t t t c t c t t g c c t t t c a c t t c a g c t c c c a g t a c t c a g a t 240
t t t t a c c a a t c g a g g g c c c a g a g t c c t t c c c a g a c a t g c a g g c t t a g g a g c t t c g g a c t c 300
c a a t c a g g g c c t g a c t g a g t a a c t g g c c a a g g c g g a c c a t a t a c a g g c t t g t t g c t a a g c 360
t t c g t t g g t t t t c t c t g t c g a g t t t c t a t t t g g c t g t t t a t t a a t t t a t c g c g a a g g c t 420
a a t a t t t a t t c c t t a c a g g a c c a a t g c a a a a g c g g g a c a c c g c t t g t g g a g t t t g c t g g t 480
g a a g a c g a a g a g g c g t c g a a a t a g a t a t g g a a g g a t t g a a g c t a t g c t g c a c c a a t a g a g 540
a a c a a a t g g t c a a g c a g a t a g t t c t t t g t t c a t g t c a t g a c g a g c a t a t a t a c c t a g g c 600
t c a a t g c a t t g t g a c 615

<210> 17657
<211> 345
<212> DNA
<213> *Aspergillus nidulans*

<400> 17657
a g g t a a a a a g c c a a a t t g a t g g c t t g a a g a g a t a t c a a a g t a c c c a a g a t c a a a g c c c t a 60
t t c a c a t c g a a g a t g c a c g c c a t c c c a c c a c g c a a c g c c g a a g a a t a t g c g t c c a t c c 120

cggtctaaaa caaagaaacg ctaccgacat accataaaag aaagaaagag aggaccacga 180
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tcattctgat cgctgccgtc atcttcatgc ttgcgccccg tcggttgatc tggaacctta 300
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<210> 17658
<211> 455
<212> DNA
<213> *Aspergillus nidulans*

<400> 17658

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<210> 17659
<211> 381
<212> DNA
<213> *Aspergillus nidulans*

<400> 17659

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cacaagaaga agaagaagta cggccgcaag cgctcaggca gctccagttc gtcgagctcg 180
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aatgaccttg gaagctagag a 381

<210> 17660
 <211> 390
 <212> DNA
 <213> Aspergillus nidulans

<400> 17660

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<210> 17661
 <211> 406
 <212> DNA
 <213> Aspergillus nidulans

<400> 17661

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<210> 17662
 <211> 410
 <212> DNA
 <213> Aspergillus nidulans

<400> 17662

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<210> 17663
 <211> 542
 <212> DNA
 <213> Aspergillus nidulans

<400> 17663

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 ccacctgaga aaagaaacca cagaagcadc ctgagcgcgc attaagacca gagaggagag 180
 aaagaagaag gcttctagcg agcaagatgt acacgtccct gctttcaaaa agatagcaat 240
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 aagaagccgg tcaacgaacc cttcatgctt tccatctgct cctgtcggag tttctcctcc 360
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 tcgtagttct tctgaccacg ctcacggatc tgggtcccaga gcactctgcc ctctgcaaa 480
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 ga 542

<210> 17664
 <211> 403
 <212> DNA
 <213> Aspergillus nidulans

<400> 17664

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 gggaataatt tgatggtcgg aaaaccggta atagagtcag ggacatcggt ggccgtcgcg 360
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<210> 17665
 <211> 312
 <212> DNA
 <213> Aspergillus nidulans

<400> 17665
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 agtatattat ggatgaagtt ttgcaacatg catgacacca ggcaactgaaa gaaaatggcg 180
 taaaaaaagg ggaacccaaa gttactgctc atgaggtcgt gtcgtaaacy ggtgggtcgcg 240
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 tgtcgcggta at 312

<210> 17666
 <211> 318
 <212> DNA
 <213> Aspergillus nidulans

<400> 17666
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 aaagtcattt tgcagtgctt ggacgataat cgacataatg aggaatttag acctcgaaag 180
 acccatgggtg cattacacag cagcatccct ggagttagcc tctggatgcy ttccggggcac 240
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 gagatacggg tcttgctc 318

<210> 17667
 <211> 483
 <212> DNA
 <213> Aspergillus nidulans

<400> 17667

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cctaccttgg tagcttgatt ttcttcgcca gctccgctcc cagtgtatgt tttccgctgc 180
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gagtttgttt ctacttgggt ggggaacacg cacgaacca tttgattaag taggcttctg 360
aacctatctt gtactctgtg ctgtgatgtc tgcctccaat cagactgaac ttcgatgatg 420
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<210> 17668

<211> 418

<212> DNA

<213> *Aspergillus nidulans*

<400> 17668

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tcagcgtcgc tggcgggtctc agtggcatct tcggcaactt cttcggcctc ctcggcctga 180
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atggtcggaa aaccggtaat agagtcaggg acatcgttgg ccgtcgcgtc gatctttgca 360
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<210> 17669

<211> 403

<212> DNA

<213> *Aspergillus nidulans*

<400> 17669

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tttgttgtcc tctatttcta ggagcgggaa aaagaataca cagcgtttct tgaaatagca 180
 aatgcgggcgt catgcaaaaa agcccgaaag gtcagtgcag aaaccaaaca ataccatgta 240
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<210> 17670
 <211> 304
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17670
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 ggaaggaaaa ctccgaaagt atctgcagct gcagattcaa atcagaatct taccgccaac 180
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 atac 304

<210> 17671
 <211> 466
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17671
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 caggctttga gaccatccgc ccgttgccc gcttataagc catctggctg gggccatcga 240
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 gcttcgacaa catcgagttg gtctcccaaa gtcggggacc aggttcattc gcagggctag 420
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<210> 17672
 <211> 439
 <212> DNA
 <213> Aspergillus nidulans

<400> 17672

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<210> 17673
 <211> 411
 <212> DNA
 <213> Aspergillus nidulans

<400> 17673

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gttctgggga gaaccgaaa aatactggcc cattgaacac gatgctggct gtcgaaagat 300
ttggaggatt cttaacttca gtcgccttgt cttcgcttct gctcgtggcg tcgggcgtcg 360
taataggctc tttaggagcc gtatctgttt ctatggctgg gtggtttgga g 411
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<210> 17674
 <211> 332
 <212> DNA
 <213> Aspergillus nidulans

<400> 17674

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ccgggacttg tccggcactc cgcgcccgat agccgtttga agataatggt ctaccaata 180
aataagactt caaattagag ggtagcggta aaacgaacgg ctgccgttag gcatctatga 240
ggagaaagcg ctatcatcga attgcaaacc gaaagacccg aataagtgtg taacgagatc 300
gagatagaaa agacggcgag cgccgagaga gt 332

<210> 17675
<211> 742
<212> DNA
<213> *Aspergillus nidulans*
<400> 17675

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atgaataagc ttcttgtgct ggcattgtta gccacgcttc cgctgggttcc attgagtctt 180
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aacgaatcta tagtctcatg attcagtttg tgacttctcg aatatatttg ctgtggcgaa 480
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cggcgtactg gttcctttac tttcatgatc ttcaatcatc accaattacg acaggcctgt 660
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<210> 17676
<211> 422
<212> DNA
<213> *Aspergillus nidulans*
<400> 17676

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tg 422

<210> 17677
<211> 348
<212> DNA
<213> *Aspergillus nidulans*

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<210> 17678
<211> 304
<212> DNA
<213> *Aspergillus nidulans*

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<210> 17679
<211> 357
<212> DNA
<213> Aspergillus nidulans

<400> 17679

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<210> 17680
<211> 370
<212> DNA
<213> Aspergillus nidulans

<400> 17680

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<210> 17681
<211> 212
<212> DNA
<213> Aspergillus nidulans

<400> 17681

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gccaatcgc ggcaaatata cccgttgtcg gg 212

<210> 17682
<211> 421
<212> DNA
<213> Aspergillus nidulans

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<210> 17683
<211> 484
<212> DNA
<213> Aspergillus nidulans

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<210> 17684
 <211> 676
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17684

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 <213> *Aspergillus nidulans*

<400> 17685

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<211> 343
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<213> *Aspergillus nidulans*

<400> 17686

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<210> 17687

<211> 402
<212> DNA
<213> Aspergillus nidulans

<400> 17687

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<213> Aspergillus nidulans

<400> 17688

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<213> Aspergillus nidulans

<400> 17689

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<213> Aspergillus nidulans

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 <212> DNA
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<400> 17692

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 <213> Aspergillus nidulans

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<213> *Aspergillus nidulans*

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<400> 17695

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 <213> Aspergillus nidulans

<400> 17696

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<210> 17699
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<212> DNA
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<400> 17703

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<210> 17711

<211> 574

<212> DNA

<213> Aspergillus nidulans

<400> 17711

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<210> 17712

<211> 922

<212> DNA

<213> Aspergillus nidulans

<400> 17712

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<210> 17713

<211> 1165

<212> DNA

<213> *Aspergillus nidulans*

<400> 17713

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 <213> *Aspergillus nidulans*

<400> 17714

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<210> 17715
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17715

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 <211> 2983
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17716

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 <213> *Aspergillus nidulans*

<400> 17717

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<210> 17718
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 <213> *Aspergillus nidulans*

<400> 17718

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<210> 17719
<211> 345
<212> DNA
<213> Aspergillus nidulans

<400> 17719

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<210> 17720
<211> 398
<212> DNA
<213> Aspergillus nidulans

<400> 17720

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<210> 17721
<211> 412
<212> DNA
<213> Aspergillus nidulans

<400> 17721

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<210> 17723
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 17724
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<212> DNA
<213> *Aspergillus nidulans*

<400> 17724

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<210> 17725
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<213> *Aspergillus nidulans*

<400> 17725

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470

<210> 17726

<211> 482

<212> DNA

<213> *Aspergillus nidulans*

<400> 17726

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<210> 17727

<211> 485

<212> DNA

<213> *Aspergillus nidulans*

<400> 17727

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tcacttggga atagatcgag caatttgtcc tcaccaaacc tgaggattcc tggaaagctt 180
tcgacgaaat gatctcaact tcggaggagt ttacaaaatc gctgggcctt ccctaccagg 240
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cctggttccc tttccagcag gaatacaagg agctagtctt ttgctccaac tgtaccgact 360
atcaagcacg cgccttagga attcgatatg gtcctaagaa aaccactgac gcaaagaaat 420
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ttgag 485

<210> 17728
 <211> 487
 <212> DNA
 <213> Aspergillus nidulans

<400> 17728

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tgtgggatag gattgcacag gaagggtggc tggatggacg aatggaacca gacgcatggc  180
cgcagggcca gagacagctt ctctgtctcg ccagagcaat ggtccaacag ggcaaattat  240
tgatcctgga cgaggcaatg agtaggtatg ctatgttata tgccatcaca aacgcggaca  300
atgcttacc agcctttttt cccagtgtcg acaacgagac tgaagacatt atgcaagcag  360
caatcaacag cgagttctca tcgcatacag tctcgtctgt catgcaccgc ctgaggcata  420
tttattgtta tgaccgcgtt gtccttctcg ttgacggggt tgtggtcgag ttcgattcgc  480
ctacagc                                         487
  
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<210> 17729
 <211> 519
 <212> DNA
 <213> Aspergillus nidulans

<400> 17729

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cgcacggaaa tcacctgtct gacctgggca atccaggccc tctgtggctc ctcgttcatg  180
ggctattcga cttacttcta ccagcaggca ggtctatccg tatcgcagtc cttcaatatg  240
tcgctaggcc agtacgcgtt tgggatcgtc ggaacactcg tctcgtggtt gttaatgact  300
cggtttggac ggcgcaccct ctacgtcgtc ggtcttctcc ttctggtcat catacttttc  360
tctgtggggt ttacctcttt gtctgatacg aagacagcga gctgggctat tggctcttta  420
ttactactgt ttacatttac gtacgattgc actatcgggc cggtatgtta tagtattgtc  480
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<210> 17730

<211> 525
 <212> DNA
 <213> Aspergillus nidulans

<400> 17730

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caaagggagc aaacggataa tggccttgct gggagccggt ctctccgctt cctctggcct   60
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tccggaagcc ttcgaggcga acccgacact ggtttgcaa ttttacagtt ataggcgaca  180
tatggcactg aaggccaaac caaataaagc gcattacgcc cttgcagagc tagcaaggag  240
aaagagagag ttcacacagt tgagtcaaaa tgttgatggt atggctgcct caataactga  300
atattgtgag gttgctaata ggcttctgtt gcataagggt tgcgcaacg agcgaatcat  360
ccccctgaac aacttcacct tctgcatggg aacctgttca cggtc aaatg tacatcggtc  420
tactgcaaat atgtccgtga gaacgacttt acggaccgga ttgtccccgc acttgcgata  480
ccgaagaaca tccctgaacc gcgaccgttc acagacgaca aatcc                               525

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<210> 17731
 <211> 529
 <212> DNA
 <213> Aspergillus nidulans

<400> 17731

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gtggaagcaa cctatgataa accggacatt ttccgcaatg tcgtcattac atcgcttaca  180
tttgaacat cgaaggggag aacgtcattc tctgggtata agggaggtaa gaagtttaag  240
ctagagcaaa agggtcgtag gcttgctggg ttccatggaa aggaagggtc agctattgat  300
gcccttgag catattttgc acctattcct actccgactc ctataattcc agccaagaaa  360
ctaccagcaa taggcggcac gggaggagtt gcatgggatg atgggtgtcta cgatgggtgta  420
aggaagatac ttgtaggaca aggtaacgat ggtgtagcct ttgtcaagtt tgaatacaat  480
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<210> 17732
 <211> 549
 <212> DNA

<213> Aspergillus nidulans

<400> 17732

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aaatacggcc ttgtattttt acaactcttc ctgaatgaac gagcgaaaaa ctgacaccag 180
gctaggtcta ccccggcgtt ggctggatct tctggcgatc accagaatac cttcccagag 240
agctagtctt caacatcaac tatctcggct ccgaacaggc gacctttact ctaaatttct 300
ctaaaggcgc ctgcacatt atcgccaat actaccagct catccgcctc ggtcgaaacg 360
gttacaaagc catcatgcag aatctagtcc aggtatcgca aaatctcgcc cgtggcttgc 420
cagacctagg tctccttata ctcaagtaca acacaggaaa tggctctggc ggcgtgccac 480
tagtcgcatt tcggcttcca gacgatgaaa gtcggctggt cgatgagttt gctgtttctg 540
ctgttctgc 549

<210> 17733

<211> 559

<212> DNA

<213> Aspergillus nidulans

<400> 17733

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accgggtctt cctatcaaac agttgagatt gacttttgtc atccttgacg gtcttaccga 180
ggaccatcct accttgacaa ccttcttcga gggagagatc atcggtagca agcacacctt 240
caagacccga aacgaatcat ggggtgcttc ggagaagacc gacatgcttc actgggcaag 300
gtttccggct tggcgaccgt tggccaaaca agcgaagaga tccgacttca cgtattggga 360
ttttgctgag cgtgaccaca ttttcatgag ctggaaggaa catttccttg ttccggacca 420
tcgtgtacgg acgatatccg gcgctacgtt tgaaggtttt tattacatct gcttcaatca 480
agtgaaggag accgtttccg gtatatactt tcatgcaaag agcgagaagt gagtatatcg 540
ccacaactat tgcctgaag 559

<210> 17734

<211> 561
 <212> DNA
 <213> Aspergillus nidulans

<400> 17734

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 tggcgttcgg gattcgcgag gccatccgag aggcacagaa tgggtggcagt ggtgttgtaa 180
 tctacttccg aaaggagggc cgtgccttgg gagaagtgc caaatatttg gtatacaacg 240
 cagcaagcg tggcggcgat actgccgata agtactttac tcggacggag aatatagcag 300
 gagtacgaga tgtaagtgtc aacataccaa ctgcaaatat accatacatt ctgatctcga 360
 tctagatgcy attccaagcc ctcatgcccg acattctgca ttggtttagga atcaagaaga 420
 tcgaccggat gctatcgatg tccaacatga agcatgatgc catcgtcgag tcaggtatca 480
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<210> 17735
 <211> 567
 <212> DNA
 <213> Aspergillus nidulans

<400> 17735

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 atctccaggg gtatcttcct gaccggctca tcgattgtcg gtggaggtgt caaggctccc 180
 agaatccgaa ccaagaacct gatttcgac attttctgcy aagtcgtcgc tatctacggt 240
 gttattatgg ctattgtctt ctctcgaag ctcaacctcg caaccggcga cgaaattcat 300
 tcaccagca gttactacac cggctatgcy cttttctggg gaggaatcac tgttggcgcc 360
 tgcaacctga tttgcggtat ctccgttgg ataaacggta gcggtgctgc tctggccgac 420
 gccgtgac ccagcttggt agttccgcct cttcttgcat ttccggtggg cagcgactaa 480
 tgttttacag gttcggttaag attcttgcg tcgaaatctt tagctctgct ctgggcatgt 540
 ttggtcttat cgtcgggtctc ttggtcc 567

<210> 17736
 <211> 575
 <212> DNA
 <213> Aspergillus nidulans

<400> 17736

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acagcccccac aggcgaacgg tggaggcgct ctgctagcaa tgaaaaaagc cctaaagaac  180
gcttgctctcg agccctcagc tgtcgactat attaacgccc atgcaacttc gactgtcatc  240
ggcgacgctg ctgaaaatgc cgcaatcaag gctctcctcc ttggccccgg gggtaaacag  300
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gcgggagccg tcgaggctct atttactgtc cttgctattc atgaggttgg tcttacgttt  420
tgatttttgtg gtaccgctaa ttgccttcta gaatgttatg ccacctacca ttaacctgga  480
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<210> 17737
 <211> 581
 <212> DNA
 <213> Aspergillus nidulans

<400> 17737

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gagcttttct catttactga taaccgcatc gccgttcagt tctggtatga gtttcaagat  120
gccaatgatt ccatgcggtg gaagcgggtg tacggcctcg aagactggac cttcgacaga  180
gaatcgggaa agatgtgcaa acgcatgatg agcggcaatg acattttact aggtcctgat  240
gggaacggcg aaggacgatg gtttgtggat ggggtcgacg ttgatgatgt agagattggg  300
caggaacatt ggtgattgca tgttcattca acggcgacat cctgttacca gagtgtgtgt  360
ccaccgggtg caagtagtca gtaaaaatag aagccagagc tattgggtaa tagccaaggc  420
cacctatagt tggaatgttc gggttggcga gtatgttgat cagatctaga taacaccct  480
tcgcccttgg ctcaaggaat ctggacttat ccgccccttt gctcgcaggc taatcaacac  540

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581

<210> 17738
<211> 623
<212> DNA
<213> Aspergillus nidulans

<400> 17738

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gtgtaacgtg cggataatcc tcgtctcttc gcacggccgc ttgtacgtgc ctaaaccgca 180
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cggacagagc aaattggcgc tgatactatt ggccaaagag gcggcgagac ggtacccgcg 300
gattaccgtt gtctcgggtgc accctggggg tgtaggcaca aatctgatgg acgatgagac 360
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ggaacagggg gtgagaaatc aattttgagc ctctgtgagt gtggatgttg cgtcagctgt 480
tattatgaac cggttgggat cgggggcttg gatacggggg tagcaaagga cgataatcta 540
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tttcttttaa ttcgacagac ata 623

<210> 17739
<211> 635
<212> DNA
<213> Aspergillus nidulans

<400> 17739

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gaacaagaac aaagataccc ggcacgaaga ggacctggca gaacttgata gctgcattgg 120
cgtgctagga gggcgtctta cggatctcga gttcatggcg catcgatatc aggctggaga 180
aacgccccga ggagccgtca cccgcatcgt ggaacaatca gcctccgaga ttttgaagat 240
gttcattttg aatcctgagt ccgaatcaca gaagtggact caccaacagg cctggcattt 300
gatcaaaacc ctgcgacgct cgaaggacgg cagcgtaccc tacaatcatg tcattcaatc 360
tgacttgttc aaatcaaaca gtcaagctct ccgtgagctc gaacaggcgg agctgatatc 420

aatcgtcacc gtcaatggct cgctgagag ggtgagggct ggcaggccgg tttatcaggc 480
 tgtgttcaag cgattgactg aaaacaaggc cttgagcagc cgcttgata tggaggtctt 540
 gtcacagctc atcagtaaag agaacaagag cattggaaag tacgaagagg agctcctctt 600
 gctaggaag tgccaaagca gcctcgagaa ctcac 635

<210> 17740
 <211> 661
 <212> DNA
 <213> Aspergillus nidulans

<400> 17740

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 agacaaagaa gatcatcgca gaccatcct acttccccgg caaggtttct gtctccggct 180
 acctgtcaa ggctatctgc atcttaaagc atcctatcga caagaccgat ggcagcgact 240
 ccctccagct gatcattccc cagtcccagg ttggacgcaa gcgtgatatt tacgttgcaa 300
 tgggtctatc ggcacacaac gtctgcccc aaggctacta cattgccatc gtctcgacca 360
 tcgccgagac tgactccaac caccaccttg aactggagcc agggttcgaa cgcctgggtg 420
 atattgaaga gaagttcttc ccgcctccca ttccgctcta ccagcccctg gaagatggaa 480
 agaaagacaa catcttcatt tcgaagagct acgatgccac atctcacttt gagaccacta 540
 ctggtaagtt ctttagccct atgtagagca aatgagtagt gttaagtact gacatcccta 600
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<210> 17741
 <211> 669
 <212> DNA
 <213> Aspergillus nidulans

<400> 17741

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 aagccctttt cgacagcggc cctaagtagc caaccactg gtgcggcaat ggatgaggca 180

aatgctacag actgacatct accggtgtat cgacatgcga gacctgcggc gctggcggcg 240
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gctggtgccc gaatcccggc cagctaaacc cccacggcta cgcataccat ttcgacatca 360
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atttgacttt gaatgccggc gcacatgctg ctggatcgaa gattggttga cctgctcagg 540
ctgctatcat ctctgtcaac gggcttccgg cacctgctgc tatggcgggt cagcctccac 600
cccctccagc cccacctgcg cctgcccggc ctgctatcga gatccccccg cctccagctc 660
ctgtctagg 669

<210> 17742
<211> 670
<212> DNA
<213> *Aspergillus nidulans*

<400> 17742
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cagtactaga agaggctgag gaaaagatga aggcaatgcg tacgtttgct ggccagtata 180
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tatgttgtgt caatgcctct ggaactgatc gactaccaat ctgggtaatt ggaaaggaac 360
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acaaaaatgc ctggatggac cagattatca tgcgagaatg gtccttgaa ttctatcaat 480
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tggagctggc accaccgcct cccaatgtac gcattctgtg gctcccaaag aattcaacaa 600
gccggttcca gcctcttgat cagggaatca tccagaatct gaagatatat tatcggagac 660
agtggctacg 670

<210> 17743
<211> 690
<212> DNA

<213> Aspergillus nidulans

<400> 17743

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acaacgcggc ccaggcgcaa aacacaaagt aagttatcca gaccgctgcc tattcttcaa 360
tactaaccaa gactccgaca gtacctcca atccgttaca gtctttcccc cgctcctcc 420
gtatccacgc atcactaccg aaaatgtatc atcgagatc ggcttgggtgc aagccttttt 480
taatgccaaa ttacaagcgc gcaacaacga accactggtc gaggacctcg aattacctcc 540
taagcaaagg ccatcggtcg gtcgacctcg tcttctgct tctgggaaaa tcccgcgcgc 600
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<210> 17744

<211> 707

<212> DNA

<213> Aspergillus nidulans

<400> 17744

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ccacaacggg gcgcacctgt ggcgcgctca ctttaatggc actgccgatg aaatttacct 180
tgaagtctag ggcggcaccg ctcatggttg gacagtctgg ttgaatggaa gcttcatcgg 240
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tacggtcagt aacagagaga atgtccttct cgatcatgcaa ggtattacag gccacgatca 360
aagttccgga tccctgaata tcgtggcatc gtcaattcca ccttgctgaa cagccagtcc 420
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ccagaacgaa ctcgctacaa cgagggtgga ttgacagccg aacttcttgg atggcacctc 540

ccaggcttcg acgattcgaa atggccccga gcatcaccta gtgacggggt tacaggagca 600
ggagtccggt tctaccgcac taatcttgct ttcaacacac cagctggcca tgatgtggtc 660
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<210> 17745
<211> 723
<212> DNA
<213> Aspergillus nidulans

<400> 17745

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gcaggggcct gacaatctgg cgtccgaca atctcggtga ctgggacgat gctacattag 180
agatgtacgt ttctcataac atattgctac tgagttatat ccaatctaata gcctagctgc 240
agaatcgaat cccccgaagc tggaatggcc tgggcaccgt ccgtagtcta caacgccact 300
gaaagcgaat actacctctt ctgggcttca cgcctttatg cagaggacga cgcagaccac 360
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tcgttcagcg agcctgccga ttacgtcgcc ctgatgctgg agaataatccc actcatagac 480
caggaattcc tctatctcgg taacgaaggc cactacgcac ggttcttaaa agacgagaat 540
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cagccggagg gcgaatatat caggacgagc gtatatgaag ggcccgcggc atttcccgat 660
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gtg 723

<210> 17746
<211> 806
<212> DNA
<213> Aspergillus nidulans

<400> 17746

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atggtggctc cgtcgaggaa cagcgttacc tgagcgcagt gcgacgggag aaagacgcat 180

tcacaaagct tatcaaagag aaaagcgtca gaacccagct aagctgtata aacaaaccaa 240
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ccaagagcaa ttctccgca cagtaaatac tcgcatcgcc ggcgggggccc gcttgacagc 360
aacagcctca cccccgctg tcgtcgttga cgtgcgcgaa ttccgcagcg ctctgccctc 420
cctcctccac ggcaacaata tggtcattgt accctgccag atcaccgtcg gcgactacat 480
cctcaccocg gacatctgtg tcgagcgcaa gtccgtccgt gatctcattt cctccctccg 540
caacggccgc ctctacaacc aagccgagac catgacgcaa cattacaaat cgccattgct 600
gctcatcgaa ttcgacgaga acaaatcggt tacttttgac gctttcacgt ctgccacgac 660
gccggggaca acattcctca cggatttcgg attctcctca tctggaaccg taactacgtc 720
tctatcatcc agcagcgcg tcgattaaccc cttcgcgcca aagtcagcac aacaccttct 780
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<210> 17747
<211> 818
<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 17747

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<211> 839
<212> DNA
<213> *Aspergillus nidulans*

<400> 17748

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<210> 17749
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<212> DNA
<213> *Aspergillus nidulans*

<400> 17749

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<210> 17750
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17750

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<210> 17751
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17751

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<210> 17752
 <211> 906
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17752

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<210> 17753
 <211> 926
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17753

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<210> 17754
<211> 934
<212> DNA
<213> *Aspergillus nidulans*

<400> 17754

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agcgatggag ctcaagagtt gtcggcggtt agaa 934

<210> 17755
<211> 956
<212> DNA
<213> Aspergillus nidulans

<400> 17755

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<210> 17756
<211> 958
<212> DNA
<213> Aspergillus nidulans

<400> 17756

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17757

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<210> 17758
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 17759
 <211> 1006
 <212> DNA
 <213> Aspergillus nidulans

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<210> 17760
 <211> 1007
 <212> DNA
 <213> Aspergillus nidulans

<400> 17760

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<210> 17761

<211> 1009

<212> DNA

<213> *Aspergillus nidulans*

<400> 17761

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 <213> *Aspergillus nidulans*

<400> 17762

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 <213> *Aspergillus nidulans*

<400> 17763

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<400> 17764

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<212> DNA
 <213> Aspergillus nidulans
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 <213> *Aspergillus nidulans*

<400> 17767

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<400> 17768

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 <213> *Aspergillus nidulans*

<400> 17772
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<210> 17773
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17773

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 <213> *Aspergillus nidulans*

<400> 17774

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<400> 17775

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<212> DNA
<213> Aspergillus nidulans

<400> 17776

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<210> 17777
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 <212> DNA
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 <400> 17777

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<400> 17778

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<400> 17779

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<400> 17780

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 <400> 17786

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<210> 17787
<211> 241
<212> DNA
<213> Aspergillus nidulans

<400> 17787

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<210> 17788
<211> 262

<212> DNA
<213> Aspergillus nidulans

<400> 17788

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<210> 17789
<211> 290
<212> DNA
<213> Aspergillus nidulans

<400> 17789

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<212> DNA
<213> Aspergillus nidulans

<400> 17790

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<210> 17791
 <211> 336
 <212> DNA
 <213> Aspergillus nidulans

<400> 17791

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<210> 17792
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 <213> Aspergillus nidulans

<400> 17792

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 aagttgacgc cggaacaagt ggcgtacctg gaaagcggtc gcccgttgga ccttgggttc 300
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17793

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<210> 17794
<211> 373
<212> DNA
<213> Aspergillus nidulans

<400> 17794

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<210> 17795
<211> 380
<212> DNA
<213> Aspergillus nidulans

<400> 17795

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<210> 17796
<211> 382
<212> DNA
<213> Aspergillus nidulans

<400> 17796

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<210> 17797

<211> 382

<212> DNA

<213> Aspergillus nidulans

<400> 17797

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<210> 17798

<211> 389

<212> DNA

<213> Aspergillus nidulans

<400> 17798

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<210> 17799
 <211> 405
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17799
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<210> 17800
 <211> 407
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17800
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<210> 17801
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<212> DNA
 <213> Aspergillus nidulans

<400> 17801

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<210> 17802
 <211> 413
 <212> DNA
 <213> Aspergillus nidulans

<400> 17802

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<210> 17803
 <211> 419
 <212> DNA
 <213> Aspergillus nidulans

<400> 17803

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<210> 17804
<211> 428
<212> DNA
<213> *Aspergillus nidulans*

<400> 17804

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<210> 17805
<211> 431
<212> DNA
<213> *Aspergillus nidulans*

<400> 17805

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431

<210> 17806
<211> 431
<212> DNA
<213> Aspergillus nidulans

<400> 17806

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<210> 17807
<211> 432
<212> DNA
<213> Aspergillus nidulans

<400> 17807

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<210> 17808
<211> 433

<212> DNA
<213> Aspergillus nidulans

<400> 17808

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<210> 17809
<211> 435
<212> DNA
<213> Aspergillus nidulans

<400> 17809

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tgtataagat tgagcaggaa ttaggaaccg agatacaacc aattccgcag aatatcgata 240
agaagcttta tgtgtacgat tctcccgaca ccattcctcg gccaatctcg aatccgcctc 300
aacaatccca gggtgccact gcagcatcaa accccagtga ccgccgtcat aatcaccaca 360
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gccagcgtcg caaca 435

<210> 17810
<211> 438
<212> DNA
<213> Aspergillus nidulans

<400> 17810

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 ccggctccaa ccgaaatccc acgggtgcct ccagagctac tgaaagacct gatggatatt 180
 tctgagccgg aacgtagctc tcgctggctt cgttgctgct tcgtcgagga tgccgagtgt 240
 gaaattacac agattgcgct ctggcaagca tatcagagtc ggtttgccga tcctcgagtt 300
 cctggcggcg gtgttctccc tgctgcggag tttatcaaga acgtcagcac gacgtttacg 360
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 attcggcccc tggaaacc 438

<210> 17811
 <211> 439
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17811
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 ttgccgcgcg ggctgtttat gttcggcttg acgtcgcagc acggc atgg 180
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 aatttctgcc ggaatctcat gaacgggggtg tttcccttgg tgtccaggca gctgtttaag 360
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 gtg cgggc tgttggtgg 439

<210> 17812
 <211> 439
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17812
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gtacgctcgc agtgccgcg 439

<210> 17813
<211> 441
<212> DNA
<213> Aspergillus nidulans

<400> 17813

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tgcagctggt cgtccaacaa gcttcacgtg cgttcgcaag tcttatgcaa aggcttgat 180
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tcgatggcag tctagccccg a 441

<210> 17814
<211> 449
<212> DNA
<213> Aspergillus nidulans

<400> 17814

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ccgagaactt catgggctcc taccagtc cgcgcggcat cagcctgggc ggcccggt 120
ggggttgga tcccgatgtt ggcctccacg tgctgaagct gttcgctgcg ggggtgtttg 180
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tccggcaggt ctgggatgag aatatctgga ttactacatc tgggagttgg agtctcgcgc 360
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449

<210> 17815
<211> 452
<212> DNA
<213> Aspergillus nidulans

<400> 17815

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cgccaatccc tcttccaagc gcggaagata atgcctctat acgccatgag cacgtcactg 180
tcgagtattg gggaaagtcg taccttgagg gggagaaggg ccctctgagt aagtgtacca 240
gtttcgggttc ctgttgtaga gctgactcgc tgtcgtaggc aaccagaga acctcccatt 300
cttcaccaac aacacttaca agtcagtacg aattattggg gagggctata acctctacta 360
ttccgtatgg tgtaataacg aacacgagct gtacgactta actgtaagta ctaaccacg 420
gtatggccca gtctaatacg acactaacct gc 452

<210> 17816
<211> 453
<212> DNA
<213> Aspergillus nidulans

<400> 17816

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ctgcctgggc agcgtgggca tgtctatcca ccacaagctc tgccacacc ttggcggtag 180
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cgatgcgac cagggttga atgtcttgct cactaagctg aagggttaagc gtgggtgtaa 360
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ttattggaac ccgagggaga tcgagcgcg gcc 453

<210> 17817
<211> 457

<212> DNA
<213> Aspergillus nidulans

<400> 17817

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caacgaagcg aatgcacagt tcgccaagga agccatggcg caccagagct tggatcataa 120
cgaaatctta aatgtgcggt gggcgaccgt tgatccaaat cccttggcgc agaagaggga 180
ggcaaggagg ttagaggagc aggctgctga ggctgtgagg agggcgctgc cagcggagtt 240
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gagataaaaa agcttcagcg cctcagaacc aagtga 457
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<210> 17818
<211> 458
<212> DNA
<213> Aspergillus nidulans

<400> 17818

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tttccgtaac tatatttctg ttttcaaaag aaagtttggc ggccttttta tatcgtcttc 180
cagacttgac aaacaagccg ctgactactt atcagtcact gtccggttcc aacccctggc 240
atctgccccg attcttaaaa accgggtttt caaaataagt gcctctcaa aatttgagac 300
cgtcgtcaat ttccttagga agaagcttaa ttgcaaggac acggattcag taatctgcta 360
cgtcaacagt gtttttgctc cccgccttga tgaagggtga gggggccttt ggagagtaag 420
tacaggccat agtttctatc tggaaggagg aattcatg 458
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<210> 17819
<211> 458
<212> DNA
<213> Aspergillus nidulans

<400> 17819

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 accctgcgag tatgactatg tcgtgctcct ctgctctcac aagcgacgcg atgcacgatg 180
 cggcattaca gcgcccctaa tcaagcgcg gctcgaacgc catctccggc cacgtgggtt 240
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<210> 17820
 <211> 463
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17820
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 ttgctcctcg ctacgagttc ggctacggcc tttctacac cgacttcgcc tactcaaacc 120
 tccacatcca gggccctctt gccctctcca cctaccctac aggtcagctc gcggtcgggtg 180
 gctatgaaga tctgtgggat acagtcgcca aggtgaccgt gaccatccgc aacgccggct 240
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 cagtgcgcca gctgcgtggt ttccacaatg tctacatcaa gaagggtcag tcgaccaagg 360
 tgaccttcga gctccgccgc cgtgacatct cctactggga tgtccagcac caaaagtggg 420
 cagttgctcc tgggtacgtac gaggttggg tgggcgccag ctc 463

<210> 17821
 <211> 464
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17821
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 cactcttctt ccgaccaaag gacaagaaga ttcattcaga cagcgcgcg aatcgcttta 120
 ccgtcaaaga tggcgggtgac caccttacct tctcaacat ctggaaccag tgggtggact 180
 ctgacttcag ctacgtttgg gcgaaagaaa actttcttca gcagcgcagt cttactcgag 240

cacgcgacgt ggcgatcaa ctgcgaaac tctgtgatcg cgtcgaggta accgtcagct 300
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 acgcagcgcg tctccagcgc ggcggtgaca gctaccgcac cattaagaca gggcagacgg 420
 tatacctgca cccgtcaagt acgctcttcg aggtgaaccc gcgg 464

<210> 17822
 <211> 467
 <212> DNA
 <213> Aspergillus nidulans

<400> 17822

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 ggaggacatg acgtgagttt tgcccaatga cagccctttc tcctgaagag ggaaagtcca 180
 tgtctctggg atctgagggc taacaatcac agagatgacg aggccaaact ccaaattggaa 240
 acgaacttct tcggcccttt tcgctcctc cgctcattcc tgccgacatt gcgggtccgc 300
 aagaacggag gcgcgaccat tgtcaacgtc agcagcgtag ctggccaaga tgccctgcct 360
 acatgcggcc tgtacgcggc ctccaagttc gcattggaag gtctatcaga ggcattagcc 420
 cgcgagggtcg caccgttcaa catctccgtc ctcatcgtcg agcccg 467

<210> 17823
 <211> 468
 <212> DNA
 <213> Aspergillus nidulans

<400> 17823

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 aactccagca aggtacaaaa cgacgcagaa atagcggcca actggatttc cacgctacca 180
 atcacctatg acgaagaggc cgcgccatat gcatactctt tcctcgca gttgattgac 240
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 ctgcggtgat gtccaacgca ggccaggttt tcgggtacat tgtgcaagct ctggatgccg 360
 agaccctcca gggccaaacc gccggtcgag tggccaattc cggaaggct ttggtgcaag 420

cgacaggctt gaacgcggaa caaattcttg ctggtgtgag cccggaga 468

<210> 17824
<211> 469
<212> DNA
<213> Aspergillus nidulans

<400> 17824

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tcttgaactc caatcgacgc ccctgaagaa attgaagcag gcacgcgtgt tggaaatgct 120
atcggttggt atagacgcag agtctgttaa attcagagct ggttggctca gggagatcct 180
gaacgagatt cttgaagcgg cccaccacta tgatggacac gagacaacgg tgggtggagaa 240
ggatgggcgt gaacgggata tgctgcttga aagagaagaa atgaagaaga tacaggagga 300
ggtgagattg aaggagaagg aggcaaagga ctttcgtaaa ggagtcattg aaatggcagg 360
gcgtttggga gaactgaaga tgaagcgagc gcgtttggag aaacgcttgg cgtttctgag 420
ctccaagggtg gaaaagtttg agggggaatc tttgttagag aacgtcttt 469

<210> 17825
<211> 471
<212> DNA
<213> Aspergillus nidulans

<400> 17825

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agagaaagtt gttaagaggg ctgttgaggt tgcgctgcag atcgcgggca atagtctga 300
cgccgtgatt gtgagccggc aaggggtcaa gatgggatgg gagggagtta gtgccgagga 360
agggacacgc ctgcttggtg agaactggga gaagaagctg actgctggcg agaatatcaa 420
ggaggggtctg aaagcatttg tcgaaaagag aaagccggaa tggaaagaaa g 471

<210> 17826
<211> 471

<212> DNA
<213> Aspergillus nidulans

<400> 17826

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cagagttgtc aactgcccag ggtactacgc cagcaccaag gtctcgaatt attgcgggta 420
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<210> 17827
<211> 471
<212> DNA
<213> Aspergillus nidulans

<400> 17827

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atctgcgatc tcttcttgga gacctttgag ctcaacaagg gaaacaactg gcttcgcggc 180
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cttaagagcc gaacagaggc aagtctcggt cttgcaaccc ttgttctga actagcgggt 420
aatgtagtcg gacgcgcaa cgcccaagct gcagcaaggc gaatcttcgc a 471

<210> 17828
<211> 474
<212> DNA
<213> Aspergillus nidulans

<400> 17828

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<210> 17829
<211> 477
<212> DNA
<213> *Aspergillus nidulans*

<400> 17829
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<210> 17830
<211> 478
<212> DNA
<213> *Aspergillus nidulans*

<400> 17830
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<210> 17831
 <211> 480
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17831

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 caagcagatg cgacttcggt ttctgacaca tactctcgca tctccgctaa cgatgcggct 360
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<210> 17832
 <211> 486
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17832

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gcgaga 486

<210> 17833
<211> 489
<212> DNA
<213> *Aspergillus nidulans*
<400> 17833

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ccttcacgat ccaatccacg gcatcgcggt ccataccgta tcacaagccg tgccccagaa 300
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<210> 17834
<211> 489
<212> DNA
<213> *Aspergillus nidulans*
<400> 17834

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cacctcgtca aatacttata tggctcgatc cctgaggtgc ttgaggcggt caattcaatg 180
ccgatacctg taatgaaagc cgactttttc aggtatctga tcctcctggc gcgcggtgga 240
gtttatagcg atattgatac cactgcgctt aaaccagtgg tggattgggt accggacagc 300
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tggcatgact ggtactctcg taggattcag ttctgccagt ggaccatcca gtccaagccg 420
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aaggcggga

489

<210> 17835
<211> 489
<212> DNA
<213> *Aspergillus nidulans*

<400> 17835

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ctctccttcc tcttcaattg gaagtgcaag aatatcagcc atgatcaaaa gttggcaggt 180
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<210> 17836
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<212> DNA
<213> *Aspergillus nidulans*

<400> 17836

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ccgtcttcgg gctgaaatcc gcaccgctat tccccattcc acccatccgg ttacacattc 180
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gcacgggcag c 491

<210> 17837
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17837

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 ctacgctaac acattaaaac cgaccctccg cgaagaatac ttaatcctat ttcgcgaatt 180
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 ccgcgacacg ctcgaggaca agattctcca acgccggaaa gccatggcag atgttgagat 420
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 tcccatgccc tgc 493

<210> 17838
 <211> 494
 <212> DNA
 <213> Aspergillus nidulans

<400> 17838

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<210> 17839
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17839

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<210> 17840
 <211> 497
 <212> DNA
 <213> Aspergillus nidulans

<400> 17840

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 agaagcccaa gaaggat 497

<210> 17841
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<212> DNA
 <213> Aspergillus nidulans

<400> 17841

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accagttctt ggctgcgcat ccaagggtgcc gctcccataa ccgtcgcttt gtatttcac   180
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ccaggccatt atatctatac tgcagctatg ttcgccttca cgatggggcc tgttttcttc  300
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<210> 17842
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 <212> DNA
 <213> Aspergillus nidulans
 <223> unsure at all n locations
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gtccgccagc gggccatcgg cagctcaccg cttgaaagag cgagcagttg ctgagcgcca  180
gcaccgcgtt cgttctctag caagagtact catcaacgag cgtcaggcaa caaagataaa  240
tgttgagcgg agacaaggta tgacagagcg ggagcgtcaa atggagcttg aggctatgct  300
cgcagagacc gaagacgcca agggtgaccg tggcaacgag tcggatgagg aaggcgaaga  360
tcgcatttac aatcctctaa aacttcccct cgcattggat ggcaagccta ttccgtactg  420
gctctacaaa ctacatggga aggggtgtgga gtattcttgc gagatttgcg gtaactatgt  480
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<210> 17843
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 <212> DNA

<213> Aspergillus nidulans

<400> 17843

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cacacacctc cgctcctgga actgctgccg catcgacggc gcaattagtc aggcagaccg 240
ccaagcccaa atcaaagctt tcaacacaga taaagattac aaaatcttcc tccttagtac 300
ccgcgccggg ggacaaggaa ttaatctcgt ggcagcggat acagtcatcc tctttgactc 360
ggactggaac ccgcagcaag acttgcaagc tcaggatcgc gctcaccgaa ttggccagac 420
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<210> 17844

<211> 504

<212> DNA

<213> Aspergillus nidulans

<400> 17844

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ccatcttcta catgaatgat gtctcccggg ccgccgtcag gctcgtacat gatataca 180
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aacttgaagg atggtctggc cccttctatg atgccgtgaa ggacgtcagc tcgggtgtat 360
ctctcgaaca ggtcgactcc cgcccgtag acgtgctcaa gactggattg agccgtgtga 420
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<210> 17845

<211> 504

<212> DNA

<213> Aspergillus nidulans

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<210>	17846
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21727

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<211> 507
<212> DNA
<213> *Aspergillus nidulans*

<400> 17848

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<210> 17849
<211> 509
<212> DNA
<213> *Aspergillus nidulans*

<400> 17849

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<210> 17850
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 <213> *Aspergillus nidulans*

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<210> 17851
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 <213> *Aspergillus nidulans*

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<210> 17852
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<212> DNA
<213> *Aspergillus nidulans*

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<210> 17853
<211> 515
<212> DNA
<213> *Aspergillus nidulans*

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<210> 17854
 <211> 517
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 17855
 <211> 519
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17855
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<210> 17856
<211> 520
<212> DNA
<213> Aspergillus nidulans

<400> 17856

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<210> 17857
<211> 521
<212> DNA
<213> Aspergillus nidulans

<400> 17857

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<210> 17858
 <211> 525
 <212> DNA
 <213> Aspergillus nidulans

<400> 17858

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<210> 17859
 <211> 528
 <212> DNA
 <213> Aspergillus nidulans

<400> 17859

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<210> 17860
 <211> 528
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17860

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<210> 17861
 <211> 532
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17861

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ctgaaagaga gccagcctgg tctgttgggg ttgaagagga taaagtggaa ctttgagaaa 480
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<210> 17862
 <211> 532
 <212> DNA
 <213> Aspergillus nidulans

<400> 17862

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<210> 17863
 <211> 533
 <212> DNA
 <213> Aspergillus nidulans

<400> 17863

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<210> 17864
 <211> 533
 <212> DNA
 <213> Aspergillus nidulans

<400> 17864

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 ccaggccaag agaccgtgaa gctcttctgt cctagctgcc aggacctgta tacgcctccc 480
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<210> 17865
 <211> 535
 <212> DNA
 <213> Aspergillus nidulans

<400> 17865

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<210> 17866
 <211> 537
 <212> DNA
 <213> Aspergillus nidulans

<400> 17866

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 aaaaggctgc caatgatctg ggaattgaat ttcgagctga gttctatggt gatgtcaagt 480
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<210> 17867
 <211> 538
 <212> DNA
 <213> Aspergillus nidulans

<400> 17867

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 gtaacgttca aggagatact gagtgtcgc agaacaaaga gtcgaggcg agcgaagaac 480
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<210> 17868

<211> 538
 <212> DNA
 <213> Aspergillus nidulans

<400> 17868

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<210> 17869
 <211> 539
 <212> DNA
 <213> Aspergillus nidulans

<400> 17869

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<210> 17870
 <211> 541
 <212> DNA

<213> Aspergillus nidulans

<400> 17870

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<210> 17871

<211> 541

<212> DNA

<213> Aspergillus nidulans

<400> 17871

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g 541

<210> 17872

<211> 549
 <212> DNA
 <213> Aspergillus nidulans

<400> 17872

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<210> 17873
 <211> 551
 <212> DNA
 <213> Aspergillus nidulans

<400> 17873

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<210> 17874
 <211> 552
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17874

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<210> 17875
 <211> 555
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17875

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555

<210> 17876
<211> 557
<212> DNA
<213> *Aspergillus nidulans*

<400> 17876

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<210> 17877
<211> 558
<212> DNA
<213> *Aspergillus nidulans*

<400> 17877

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<210> 17878
 <211> 558
 <212> DNA
 <213> Aspergillus nidulans

<400> 17878

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<210> 17879
 <211> 560
 <212> DNA
 <213> Aspergillus nidulans

<400> 17879

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 taactacctc ttccgccctg agatcattgc cctgcatgag ggcaaccgcg agggaggcgc 180
 gcagctctac atggagtgcg tccagttcaa ggtcacctct gacggtacca ctgagctgcc 240
 ggagggtgtc agtctgccgg gtgcctacac tgccaccgac gagggaattc tcttcgacat 300
 ctacagctcc tttgactcct accccatccc tggccccggc gtttgggacg gcgcttcgtc 360
 tggctctggc tcttctggct ctgggtccag ctccagtgt gccgctacat ccagcgctga 420

gaagactgct acctccacca ctgccgctgc cacaaccacc gctgttgcca cgtccacctc 480
gtctgccact caggtccaac ccacctccgt ggcgaccttc accaccagcg tccgaccac 540
cacctccgt gccccacta 560

<210> 17880
<211> 561
<212> DNA
<213> Aspergillus nidulans

<400> 17880

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cgttcttga cccagcattc acgctgcctg gcttgcgga ggctccattg ttgtgaagga 180
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<210> 17881
<211> 563
<212> DNA
<213> Aspergillus nidulans

<400> 17881

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atggggtata atgccacgaa acgggctatc gactcgagtc tacggactgc agagcaggaa 120
tacttcgacc tgtgggttgc gccgacctaa ctcaaagaat cccctcagct aataggcatg 180
tagaatcctc cttcacgccc cttacggcgg caaagaagcc cgacggggct catggaaagc 240
gcttggtgag gccagagag ccggaaagac aaagtcaatt ggtgtgtcta actatggtat 300
ccaccatctc gacgagcttg aagcatacat ccagtccagt ggcgatgacg gtgtgagaga 360

aagtaagatt gatgttgggc agtatgagtt acatccatgg ctcgatcggc cggaaattgt 420
 cgagtgggtg cagaaaagaa atattattgt ccaggcttat tcaccgctag cgcatgggac 480
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 gattatgatt cgatggggat tgc 563

<210> 17882
 <211> 563
 <212> DNA
 <213> Aspergillus nidulans

<400> 17882

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 gccgtctcgc cgcagaatct aacgctgtaa ctgtcaacgg cgacaccgct gttctgaaat 120
 accacgaacc ccccgaggcg cgcaagccgc cgcctaaaga atcctggcgc ctctacgtct 180
 tcaagggatga ggatctgctg gaaatgggtg agctgaacga gcgaagttgc tggcttatcg 240
 gtcgtgagcg gttagtcgtt gacttcccgc ttgaccatcc tagctgctcg aagcagcatg 300
 cggctataca gttccggttt gtggagaaac gaaatgagtt tggagatcgg gttgggaaag 360
 ttaagccata tcttattgac ttagagagcg cgaatggatc aactgttaat ggggatccag 420
 ctccgccagg acggtatatg gaattgcggg ataaagatat gctgaagttt ggaaatagtt 480
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 atttgaatga gaaacatcgc gat 563

<210> 17883
 <211> 563
 <212> DNA
 <213> Aspergillus nidulans

<400> 17883

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 gcctgggtacc tgcaccttgc acatggcagt tcaacttccg gttttcacta gaagaggaca 180
 tgtacgcaca ggaatcaacg gcaatgttag caaaagccgg cattgacttt gcaacgcgat 240
 agaagaacgg tatcgaccgc cttgaatttg gagcactgct gattagctct ggactgggtat 300

tattggatga tgtccattgg atctcgttcc attccgggta cgactttggc tacctgatga 360
agattatgct ctgtcaagcg cttccagaga atgaggaaga attccataag ctctcaaca 420
tcttcttccc atcgctatat gacatcaaata acttgatgaa acacgcaaca cgcaaccaag 480
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<210> 17884
<211> 567
<212> DNA
<213> Aspergillus nidulans

<400> 17884

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tcttcttctg gaaacccaat ctcaactctc accatcatcg cccagctcga gagtcagatc 180
cgcgcccaga cctcaaagta ctacgaggga tggcttgtct gcgacgaatc aacatgcggc 240
aaccgaacac gccaaatcag cgtgtatggg caccgctgtc tgggtccgcg tgggcaggca 300
gaaggggtgcc tgggacgcat ggcgtacgag tattccgaga agcagatgta caaccagcta 360
ttgtacttct ccagcctatg ggacgtcgat aaggcgcggg ccgcggcgga gaaagagagc 420
aatgaggaga agaaggatag cattgcagct ttgggtggagt tcaatcgggt acgctttggg 480
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gatgccttgt ttaagtttat gttggct 567

<210> 17885
<211> 567
<212> DNA
<213> Aspergillus nidulans

<400> 17885

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ggcattgagc aggacaaggc cacccttctt tacggaggcc ttggcaagcc ttctctgccg 180
aaagacctcg aagcaggctt ctgggtccgt ccgacgatct tcaccgattg cacggacgac 240

atgcgtatcg tcaaggagga aatTTTTTggg cctgttatgt caattctgac ctacgactct 300
gtggaagaag cagtcaagcg cgccaatacg acggagctgg gtcttgccgc cgggtgtcttc 360
acgaaggacc tcaacctagc acaccgcatt attgaccagc tcgaggcagg tatcacctgg 420
gtgaacacat ggggCGagag tcctgctgag atggccgtcg gtggctggaa gaagagcgg 480
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tgcgatatgg gcaatgctgt tgcgacg 567

<210> 17886
<211> 573
<212> DNA
<213> Aspergillus nidulans

<400> 17886
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caatggagcg tctccggcat ctctagcagt tcaggctgcg cggaatgctc ttggacacag 180
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cgaaccacca tcgcgaccac attcccacga aactcagtcc agccatatac cagaccgctc 360
cagtctggcc cctagtgtt atactctatc caatggcgg 420
caccagetta ggggcacacg ggatcgctcg cattgaagat tccagattca aattccagaa 480
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<210> 17887
<211> 576
<212> DNA
<213> Aspergillus nidulans

<400> 17887
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cctcggtatt gtgggagcga ttgtcggggc gtatggtgcc agcctcgtgg accacaaggc 180

cgctggctgg gctgggattg cgtttattta tatctatgac gtgaacttct cttattcctt 240
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 ctactactgt atagcgccca tcgggtgggt tctcccctcc gaaatcttta acctctctat 360
 ccggtcaaag gccatttcca tcacgacctc tgcgacttgg atgtgcaact tgtgagtttt 420
 acactttctg aaagaaaaat atcacgtctt ggcaagcttc ttataccttt gttcgagta 480
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<210> 17888
 <211> 577
 <212> DNA
 <213> Aspergillus nidulans

<400> 17888

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 gtgactgtct actgtgaacc tgctaattgt atcagcgctc gatcttcgat tgcggttacc 180
 tcgactcctt gcacaatgat aagtatctcc tcacggacgc caagatcctc gaaatcaccc 240
 cggaaggtat acaaacctcg aacggactca ttgaggcaga cgtgatcgtc cttgcgaccg 300
 gattcaatac gaacactttc ctcccgggta tgcaagttca tggtcgagat ggcataaccg 360
 ttgacgaaca ctggagccgc cagggcggtc caggggcata caatacctgc gcgatgaacg 420
 gcttcccga cttcttcgct ctactgggac caatacgggt aacggggccat acgtcggctg 480
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<210> 17889
 <211> 579
 <212> DNA
 <213> Aspergillus nidulans

<400> 17889

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catggacgcg cctggacgtg ggagaaaatt ccttggctga ttaagacgtg gaaagagata 180
tctggtggtc gaccattcgc tatcaagggg attcaatccg taccggatgc aaagaagtgc 240
gttgagctcg gtgtcgacgg gattgtgggtg agtaatcatg cgggccggca gtcgacgggtg 300
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gaagtttgtg tttgtgggga ggttgtggat ttgggggtta agtataatgg gagaggaagg 480
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<210> 17890
<211> 581
<212> DNA
<213> Aspergillus nidulans

<400> 17890
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aactcaaggc caggggtgaag accttggagc aggagaacct ggcgaaggag caagagatca 180
catccctcac ccaccgcaac caactcctcg aggctgaggt ggagaagctg gagtcttccg 240
caaaggaggc caaggatgcc gcgagccaga gcgcccagca cgatacccag aacgaagcgc 300
tgcagaggcg tatacagctg ctagaggagg aggctgagga ggctgaccga aatctgcgcg 360
agacaaacga gaagtatgct ccctttcttt gtcacccttt tctagcggtc aagggttaacc 420
attatctctg aaggctccgc caaacagacg tcaaggctgg ccactacgaa cgcaagggtgc 480
aggctctcga gacatctcgt gacgaatggg agaggaagta cgaggagatg gcagcgaaac 540
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<210> 17891
<211> 582
<212> DNA
<213> Aspergillus nidulans

<400> 17891
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cgtcgccacc tacgagcgca gtctgaattc caccgggtatt ggcaacggaa ctgagttccc 120
 tgcaattccc gaccagaaca ccatcgtcaa cctgggattg aacactcgtc caactttctt 180
 cggatgcgac agcactaaca cctccgctcc gctggtcgtc tacatcgcca atcgcccctt 240
 cgtctaccag tctgaagaaa ccatatccaa tttctcgacc ttccagctca gcacctcact 300
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 tgaagacagc aactggctctg cttgcgttgg ctgtgcgac ctcagccgct cgtttgaccg 420
 caccaacgag caggttctctg atatctgcac ccaatgcttc gacagatact gctggaatgg 480
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 ttccaagctt ttccaacag tttgtcgag tgctgtggcg gc 582

<210> 17892
 <211> 582
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17892

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 ccgattgccg gtcatggatg acctcgccga cctccagtac attcgcagtt gcatgaagga 180
 gacccttcgc tggatgccaa ccactatcct cggagccggt cctcatgccg tcaccagga 240
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 tttcactttt ggtgccgggc gcaggatctg tccaggcatc catgttgccg agcgcagtct 480
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<210> 17893
 <211> 584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17893

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 aatacgggaat acagagatgg attatccatg gacgcaattc gggaagtga atactctccag 180
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<210> 17894
 <211> 584
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17894

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 ccacctctga cttgtcctct ggcgcccccg tcaactatccg ctctgagggc attgtcccc 180
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 ccttcacaac tttcttcaag agtgactctt cctctacacg gaacgccgtc gctgctcgcc 480
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<210> 17895
 <211> 586
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17895

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cgcaggcaaaa aggcattggcc tcatcgccac tgggcgggcg gcatacaacc ccctccgtat 120
cgagaagggc tatcgcacgt atggagttga catggccacc gagcatgac catacgaggc 180
cgggctagga tccgccattg ccaacttgaa gctggagggc acgagtaaga aagcggaatt 240
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<210> 17896

<211> 591

<212> DNA

<213> *Aspergillus nidulans*

<400> 17896

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catgtatcat caaaacccta gcgcttgaag ttcaaggccg tccggatggt gttatcgatg 120
tctctgcccc gggcgcgctc gagaagctga aggacaagcc cttcactatc aaggaggcag 180
cccacttccg cattaagtcg acctttgagg tccaccacga tggtctgagc ggcctcaagt 240
acctccaggt tgtcaagcgc aagggtatcc gggtagcaa ggatcaggag atgcttgtaa 300
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aggccccctc ggggatgatg gctcggggcc actacaacgc ggaatcgaag tttatcgacg 540
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<210> 17897

<211> 592

<212> DNA

<213> Aspergillus nidulans

<400> 17897

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gaatctccat ctccactacg atgtaatgta ccctgtgctg acggacggcg gaattgagta 180
ccgtgacacg actacctcgc taaacgagtc ctatcaacaa ccgatctctt tttccagga 240
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agcagctttt cctgagaccg aaccgaagc cgctatcttg aatctatact ctcccgaaa 480
caccttgagc ccgcaccgtg acgtcagtga agaattgtgac gcaggcctta tcagtgttag 540
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<210> 17898

<211> 593

<212> DNA

<213> Aspergillus nidulans

<400> 17898

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gggagtggca aagaagtga gcaactggcag agacgctttg atacagggtga gtgccacggt 180
cctatcctaa tccggccatg tgctcaccaa accgcagaa ctgcacataa gcctttttga 240
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attacccgat gaactattcc cgaaagagac tcaagccatg atcgctgaaa aatgcgaggg 360
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ctaccttctc ttcgtataa cctgccacct caaccttctc cactcatagc tcgacaaaaa 480
caaatggat taccgcaacc tttgcatttg cttccaacct tgcataaaaa tagatgcatt 540
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<210> 17899

<211> 593
 <212> DNA
 <213> Aspergillus nidulans

<400> 17899

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 acctcgaatc tgccatgata cataaccctt ccataccgcg taaccgagac gatccttact 180
 ctgcgaccct cagccgcgaa tcctatgacc acaccgaaat gcacaccctc cgccgagatg 240
 ccatcgccgc cgcccgcaact gcgaaaaaat ggggtatcat tcttggtctc ctcggtcgtc 300
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 agacgcatga aggtgtttat ccaatggatt tctatgcgaa agatggtttg ggg 593

<210> 17900
 <211> 594
 <212> DNA
 <213> Aspergillus nidulans

<400> 17900

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 <213> Aspergillus nidulans

<400> 17902

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<400> 17903

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<210> 17904
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<212> DNA
<213> Aspergillus nidulans

<400> 17904

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<213> Aspergillus nidulans

<400> 17905

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<210> 17906
<211> 599
<212> DNA
<213> Aspergillus nidulans

<400> 17906

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<213> *Aspergillus nidulans*
<400> 17907

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<210> 17909
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 <213> Aspergillus nidulans

<400> 17909

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<210> 17910
 <211> 604
 <212> DNA
 <213> Aspergillus nidulans

<400> 17910

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<210> 17911
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 <212> DNA
 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*
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 <213> *Aspergillus nidulans*

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<210> 17914

<211> 611
 <212> DNA
 <213> Aspergillus nidulans

<400> 17914

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<210> 17915
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 <213> Aspergillus nidulans

<400> 17915

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<210> 17916
<211> 612
<212> DNA
<213> Aspergillus nidulans

<400> 17916

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<210> 17917
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<212> DNA
<213> Aspergillus nidulans

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<210> 17918
<211> 617
<212> DNA
<213> Aspergillus nidulans
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<210> 17919
<211> 617
<212> DNA
<213> Aspergillus nidulans
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<400> 17921

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 <400> 17922

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<400> 17923

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17924

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<212> DNA
<213> *Aspergillus nidulans*

<400> 17925

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<212> DNA
<213> *Aspergillus nidulans*

<400> 17926

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<213> *Aspergillus nidulans*
<400> 17927

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<213> *Aspergillus nidulans*
<400> 17928

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<400> 17930

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<210> 17932
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17932

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 <213> *Aspergillus nidulans*

<400> 17936

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<400> 17937

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<210> 17938
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<212> DNA
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<400> 17939

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<210> 17941
 <211> 647
 <212> DNA
 <213> Aspergillus nidulans

<400> 17941

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 ccagaacctc aagaagattc ttcaagcgag gacgatgagt ccgcggtccaa cgacgactcc 180
 gatgtggacg acgatacaga cgatgatgct cattccgatg gctctacacc aaccggtgct 240
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 aaaaccgtga cacaaatcac ctctcaaatt gcggaagaga agctggacaa tgcggcacgg 420
 gccaaagctac gtgcagaaaa gaaggaggag ttggacaggg gtcggttcg tgatgtacgg 480
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 gcacagcgcg gtgtggtgaa actgttcaat gccgttcgtg ccgcgcgagg acgtggtgaa 600
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<210> 17942
 <211> 647
 <212> DNA
 <213> Aspergillus nidulans

<400> 17942

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 aaggcgccaa tgtcctgatg gcagacatct ccgcgtcggc tctcgaaaaa gccctcgcg 180
 aggtcagaga gtcggtccct gacgcgcccc gtgttgagac catcaagtgc gacgtctcca 240
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 tcttcaacaa tgccggaatc atgcacgcgg acgacgccga tgccatcgac actcctgaga 360
 aaatttggga cttgacgcag aacatcaacg tcaagggcgt gtggtttgga tgtaaacaatg 420
 cgggtactgag catgcggaga cacaagaaga gcaagggcag tatcatcaac acggcgagtg 480
 ttgttgcgct ggtcgggagt gccacgccgc agctggcgta cacggcgtcc aagggtgctg 540

tgctggcgct gacgagggag ctggcgatcg tgcattgctg ggaggggaatc cggttcaatg 600
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<210> 17943
 <211> 653
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17943

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 cgcgacccga cagaactaga gttaagttat gatgaggtgc atagtaacgc caccgttctc 180
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 catgcagcgg acgcgccttt actggtacgc cccggacgag taccatccgg aacgctggct 600
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<210> 17944
 <211> 654
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17944

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 cccttcaggc cgccgatata ctgctacct cgctgaaaca gaaataccgc atcttcacgc 180
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gaacaagacg ttcaaggccg ctgtgcagtg tcacctgcc atgctggacc ctaacgatgc 480
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cagccagttc ggcgcgaact tgaaggtcga tcactatgtc gagactttcc cgacgcagat 600
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<210> 17945
<211> 659
<212> DNA
<213> Aspergillus nidulans

<400> 17945

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attgcgaag accgagactg tattgaaacc tatgacgaag aattgaaaac atgggtagta 180
gatgaggaca aagtatgtct ttcttcagct cgcagcatac gcagtcttac tttctcttgc 240
ttactttcgc cggcgacgtt agcttctaga tgcaattgag gatgaggtac tccaaggcgg 300
ctatctgata gactggcatg cttgtgatct gtttctctaa tcctggatcg accttgttgt 360
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cccaaatatc ttctgataga tggcattttt cttcatggta aaactgactt ctgctgcagg 480
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gaggaagccc gcgagggttt tgatgaagag attgtggttg aactaaatag tgaagaggac 600
ggcgacgtag aagccaattg cgctagaata gtttcttgg tagagaactg gaaaagcga 659

<210> 17946
<211> 659
<212> DNA
<213> Aspergillus nidulans

<400> 17946

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gagcacgacc aggtcttcgg cccatatcat caacaagtac acgagaaaat ccaccaagat 180

gcgaaactcc tcaaccaact cccctacaca acagctgtcc ttaaagagac tctgaggctc 240
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 ggccaagtat atcccactgc aggggtgcaac gtctggacgc tcaccgtggc actgcaccac 360
 aacagtgcgc actgggctga agccgagtca tttatccccg aacgggtggct cgtgggatct 420
 gaccatccgc tgtaccacgc caaaggcgca tggagggcct tcgagttcgg cccgcggagt 480
 tgtatcgggc agacgctggc aatgttggag ctgcgggttg cactagcgat gacgctccgc 540
 gagtttgata ttgcaccggc gtatgataag tgggatacaca tttatccaaa tgacgccgtc 600
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<210> 17947
 <211> 662
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17947
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 gagcaagagg cggccaaaca gaaggcccg gagactggga acgaggagga tgagttgcac 180
 tggacaccga gccgtataat cgaacgtcta ggtcgcgaga tcaaccacga ggactcagt 240
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 ggtgcggaac atgccgtcta tattaatact gcacaggaat tcgatgggag cgatgctggc 540
 gctcgtccgg atgaggccgt aagttgggg aaattaagg cggatgggtca gtccgtcaag 600
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 gg 662

<210> 17948
 <211> 662
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17948

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ccaaattcat gctgccgaaa ttctcaatc aaggctttcc ggcttcgcgg agaaggcttc 180
caagtcttct gactgtgttg atcatccttc caatcatgct cgctgtggtg catttcaaca 240
ccattgtcca tccgttcacc cttgccgata ataggcacta cgtcttctac gtattccgca 300
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cgcaacgact tgaacatgag acatcccgcg tgacgtttgt tcttgtttgg ctggctgcc 660
ca 662

<210> 17949

<211> 663

<212> DNA

<213> *Aspergillus nidulans*

<400> 17949

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acggaacctg aactcgtcgg tccaacaca ggaggaggtt gaaacagctg agaagtctct 120
taaagagact ttggaagccg aggagggcgc atacgcagaa ctggttcgct tggaaaagga 180
aaatgctgcc ttggacgagg agattgctcg gttagaagag gagtctcgcc aactagatta 240
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gaatgagcgg gatgcgttga atatgaaata tgaccacgac tctcgccagc tggaaagact 360
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aatcaacggc ctccgactcg gccgcctggc aaacccttcg gtcgaatggc ctgagataaa 480
cgctgctgg ggccagactg cgctgctgct ggctaccata gcggagaaac tgaactttca 540
gttccagggg taccggctgc ggccgatggg ctcgatgtcc agaatcgata agatcgagta 600

tccgcgaccg ttaccggcgc aatcgaccgt tgaaggagct agcaatgcc atcaaccagc 660
ggc 663

<210> 17950
<211> 663
<212> DNA
<213> Aspergillus nidulans

<400> 17950

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gtccgctccc tgcctcatga gatgccacc ggccgctcgc agatcgtctt catcaccatc 120
ggcaccgcga tcgcaaccta cttccgcaac actcgtgct tgatgatgat cttcaacagc 180
tcggtcgcag tagtcggcat gacgctagtg tggaagctcg acgagtcgca cgcggaggcc 240
cgcgctgcgg gtctagcgtt ggccctcgcc tttgcagcga acatgccgct ccagatgagt 300
ctgatcagct cgaatgtggc caccttcacg aagaggagcc ttaccagcgc tatgttattc 360
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gcttatccgg tatgcttcag ttccttctcc atgcctacct acctgcctac ctagtcctgt 480
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cggagggata ggtataccg tccggccggg cagtttacgg agagcgagga gttggagcaa 660
ggg 663

<210> 17951
<211> 664
<212> DNA
<213> Aspergillus nidulans

<400> 17951

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caaggaaata agaacacaaa aaactttgga gctgaagaag accgcgaaga agacgaagac 180
gacgaatggc gttttgccgt cctactcgac ggacacgaca gcgaagtcaa atccgtctcg 240
tggtctgcat caggcatgct tcttgctacg tgctcacggg acaaacttat ctggatctgg 300

gaggacctcg aagatggaga caacaatttc gagaccgtag ctgtgatgca ggagcatgag 360
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 gatgatacta tccgaatctg gcgtgaggat atcgatgact ggggtcaggt cgctgtatc 480
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 ccttcaactt ccaatggcgt atccggacag gaggaagagt ggaaaacgtg gcatgctctt 600
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<210> 17952
 <211> 667
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17952
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 tcaaccgcaa gtacatacat gaagtgaag acttagttga cggcgagcgc gagggccgcc 180
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 caagcttagt attgagcaag gttatgttca agaaggatgc cgaggccgga agtgatgacg 600
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<210> 17953
 <211> 667
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17953

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 ccaaccgctc ttttcgggt caatttcaga ctacagacc ggggtcattg accagacagt 180
 catcgcgac agtacaacaa tgtacctctt tttcgcgga gacaacggcc gcatctatcg 240
 cgccagtatg cccatcgacc aattccccgg cgatttcgggt accgagtcgg agattatcct 300
 gtcagatgaa agaaacaact tgttcgaagc tgtccagggtg tacacgggtct cagggtcaaag 360
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 cctcacc 667

<210> 17954
 <211> 668
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 17954

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 gacttcggcg ggctggacgt tatgattgag aatgcgggca ttccgtccaa ggcagggtgga 180
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668

<210> 17955
<211> 670
<212> DNA
<213> Aspergillus nidulans

<400> 17955

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gatagttact 670

<210> 17956
<211> 675
<212> DNA
<213> Aspergillus nidulans

<400> 17956

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<210> 17957
 <211> 677
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17957

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 ctgcaccggg gcgtagtgac ggtgacgtcg aaacagtcag ccaatgcaat ggtgcgattc 600
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<210> 17958
 <211> 678
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17958

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 gcttaattgg gatgttcacg tcgtctcgct tgtccagagc tccttcatta acgctgtcgc 180
 tctttgggtg cttttcgccg acgaggagag aaaatccatg acaattggtg agcgagtttt 240
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<210> 17959
 <211> 682
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17959

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 ccgccctcgc gacaacctca accacctcat cctccgcaga caaacaatgt gccggttgct 600
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<210> 17960
 <211> 685
 <212> DNA
 <213> Aspergillus nidulans

<400> 17960

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gtttgaatat gaatacgaat gggggcacat cgtcggagct gtcaattaca atgacaagga 240
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<210> 17961
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 <212> DNA
 <213> Aspergillus nidulans

<400> 17961

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ggggccaac aggttgcata ctgcgctatc tatactaccc atccatctct gcgccccaga 480
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 tcacattgct attccagaga cctggacagc cgggattgga gatcctcacg ccagagggga 600
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<210> 17962
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17962
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 ctgggttcgat cggcggaacg gccggtacga tcctgaacac gcccatggac gttgtcaagt 480
 cgcgtatcca gaatagccct aaaatcgagg ggcagacgcc caagtacaac tgggcttggc 540
 cggtgtggg gacagtgatg aaggaggaag gttttggcgc gctatacaag ggattcatgc 600
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<210> 17963
 <211> 688
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17963
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agggcatgga gggaaagcca tggagcggct ggtggaggaa ggacacctcg acgcgatgct 180
 cgacctgacg acaacggaga tctgcgatct catcgcgga ggggaaatgg cgtgtgatct 240
 ccgccgactc gaaacgagtc tgaagaaggg tatcccaact atcatctctg tcggcgcgac 300
 agatatggtc aatttcggcc cgatcgagac ggtcccgccg aagtatcaag gaaggaaatt 360
 gtttgtgcat aaccccgatg taacactcat gaggacgtcc agggaggaat gcgaggccgt 420
 agggagattc atcgttgaga aggtgaatgg gtgtgtacgg gagggtaaag ctgggcttgt 480
 ggaggtggtg attcctaagg gtggagttag caaaatttct acgactggag gcgtctttga 540
 ggataaacag gcggatgagg cgcttcgaa cgttctcatg gtcggactgg aaggcaaggt 600
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 aaggctgatg acattggtag cagctgca 688

<210> 17964
 <211> 690
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17964
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 ccaaggataa atcagagggc accactgggt ggtcatcagt tcgcgcaaa tctatgggtc 180
 tgaatcgggg agctcgaatc ttaatgcgga accgtctcaa ggttgctcta ttcaatgcag 240
 atgggcaccc tgttgaagca gataaatgtt caaaacacaa ccgaggcatc gagaacgacg 300
 gactatacgt tatgaatgaa atcctgcttc accgcggaaa ggagccgcat cttgccatcc 360
 tggacgtata tgtgggaggg agatttctca ccgaagcagt ggcggacggt atcattatct 420
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 ttttgccggc gagcacacca atcactcttc ggttgagcga gaaaaatcgg gggagagaac 600
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 gtgtctggaa tgaggagatg cggcatggca 690

<210> 17965
 <211> 694
 <212> DNA
 <213> Aspergillus nidulans

<400> 17965

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tcagattcgt cgtcagttag gctcgagctc tctggccagg tgcgtgaatg tggaacagca 180
tatggtcatt gctaattcac cacagagttt atcgtccttg acgtctctaa agttggcgaa 240
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tacgaagtct gggaacaata tagtgagaag aact 694

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<210> 17966
 <211> 697
 <212> DNA
 <213> Aspergillus nidulans

<400> 17966

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cttgatcgac cgctcggcc gccgcaacct catgctttac ggccttggca tcatgacctg 180
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<210> 17967
 <211> 698
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17967

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<210> 17968
 <211> 698
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17968

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<210> 17969
 <211> 701
 <212> DNA
 <213> Aspergillus nidulans

<400> 17969
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 ccgcgcgttt tcaccagggtg cacaaaatcc ggtgtcccca tctactgctt ggctactgtc 180
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<210> 17970
 <211> 703

<212> DNA
 <213> Aspergillus nidulans
 <400> 17970

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<210> 17971
 <211> 704
 <212> DNA
 <213> Aspergillus nidulans
 <400> 17971

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<211> 705
<212> DNA
<213> Aspergillus nidulans

<400> 17972
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<210> 17973
<211> 707
<212> DNA
<213> Aspergillus nidulans

<400> 17973
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<210> 17974
<211> 708
<212> DNA
<213> Aspergillus nidulans

<400> 17974
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<210> 17975
<211> 709
<212> DNA
<213> Aspergillus nidulans

<400> 17975

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ttaccagcgc tttccacctc aattggaaga gcagactcgg ccacacctga aacaaaagct 660
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<210> 17976

<211> 709

<212> DNA

<213> *Aspergillus nidulans*

<400> 17976

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tctggagaag aagctcgaga tcgaaatggt taacagcaag cactttctcg gctactctcg 180
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<210> 17977
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 <213> Aspergillus nidulans
 <400> 17977

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 <213> Aspergillus nidulans
 <400> 17978

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 <213> *Aspergillus nidulans*

<400> 17979
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<210> 17980
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 <213> *Aspergillus nidulans*

<400> 17980

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 aaggctaccc gattggaacc acacgtggtc gaataccgtg gtgacgagga cgaagatcag 660
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 <213> *Aspergillus nidulans*
 <400> 17981

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 tataccggcc gagtaacgac gaactcgaag gcagcgacaa agatccgacg ctaacgaagg 600
 tggtcgacag acggtgggtac gagcgggaaca agcacatttt tcccgcaagt ctatggcggg 660

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<210> 17982
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<212> DNA
<213> *Aspergillus nidulans*

<400> 17982

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<210> 17983
<211> 720
<212> DNA
<213> *Aspergillus nidulans*

<400> 17983

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gctaatacaga tgctttgccca ttagttgtgt ctaaaccatt tcgtcgaaac atacgatccg 180
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<210> 17984
<211> 720
<212> DNA
<213> Aspergillus nidulans

<400> 17984

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tctgccctga agaaggtcca gtcttgcgcc ccaaaggcac aagcctccac tatgaggtgg 180
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<212> DNA
<213> Aspergillus nidulans

<400> 17985

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tattctacac cccatatgtc ttttcacaat gtcaaactag agtcaagctc aacaggggtct 180
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<210> 17986
<211> 726
<212> DNA
<213> Aspergillus nidulans
<400> 17986

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gctaattacc ggcacttggt tgtattctgt cactctagtg tcagtgtctg tgtggaaaga 660

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<210> 17987
<211> 730
<212> DNA
<213> Aspergillus nidulans

<400> 17987

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<210> 17988
<211> 730
<212> DNA
<213> Aspergillus nidulans

<400> 17988

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 <213> *Aspergillus nidulans*

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<210> 17990
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 <213> *Aspergillus nidulans*

<400> 17990

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<210> 17991
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17991

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<210> 17992
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 <212> DNA
 <213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17993

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<210> 17994
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 17994
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<210> 17995
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 <212> DNA
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

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<210> 17998
 <211> 748
 <212> DNA
 <213> Aspergillus nidulans

<400> 17998

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<210> 17999
 <211> 749
 <212> DNA
 <213> Aspergillus nidulans

<400> 17999

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catgggagag tttggaaaca acataacca ccatacggat ctggaggaga cactgagga 360
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<210> 18000
 <211> 750
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18001
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18001

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<210> 18002

<211> 756

<212> DNA

<213> *Aspergillus nidulans*

<400> 18002

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<210> 18003
 <211> 757
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18003

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<210> 18004
 <211> 757
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18004

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<210> 18005
<211> 757
<212> DNA
<213> *Aspergillus nidulans*
<400> 18005

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757

<210> 18006
<211> 764
<212> DNA
<213> Aspergillus nidulans

<400> 18006

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<211> 764
<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
<400> 18007

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18009

<211> 771
 <212> DNA
 <213> Aspergillus nidulans

<400> 18009

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 gaaatctacc gcacgtgtgc cagcaaggcg ctcgaaggcg aatccggcgg agcctctgtc 720
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<210> 18010
 <211> 771
 <212> DNA
 <213> Aspergillus nidulans

<400> 18010

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 <213> *Aspergillus nidulans*
 <400> 18011

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<210> 18012
 <211> 775
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18012

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<210> 18013
<211> 776
<212> DNA
<213> *Aspergillus nidulans*

<400> 18013

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<210> 18014
 <211> 778
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18014

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 gcagccgcaa gtctggcctt ccagtcac gcccggcatg gacgactgaa gaagaaaacg 600
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<210> 18015
 <211> 779
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18015

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 cagcgccaag acatcaaac gaatcccgct ccctcgggcg ttactaagcc tccccgcag 180

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 cggatgtcca gcggaagttg acggagtacg ccgaggatgc tcggaaggag aacatggata 720
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<210> 18016
 <211> 781
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18016

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781

<210> 18017
 <211> 782
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18017

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gctctgggcg tattccgggt gggataaggt atgttaccta gattaaacaa gtcattgcta  240
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<210> 18018
 <211> 786
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18018

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<210> 18019
<211> 786
<212> DNA
<213> *Aspergillus nidulans*

<400> 18019
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<210> 18020
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18020

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18021

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<210> 18022
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18022
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<210> 18023
<211> 790
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<213> *Aspergillus nidulans*

<400> 18023

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<210> 18024
<211> 797
<212> DNA
<213> *Aspergillus nidulans*

<400> 18024

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<210> 18025
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18025
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799

<210> 18026
<211> 799
<212> DNA
<213> Aspergillus nidulans

<400> 18026

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<210> 18027
<211> 800
<212> DNA
<213> Aspergillus nidulans

<400> 18027

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18028

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cagaagaaga tgaaccgcat ggccagacag ggagaagccg atcgccacca gaccgtttcc 720
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811

<210> 18029
<211> 811
<212> DNA
<213> Aspergillus nidulans

<400> 18029

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<212> DNA
<213> Aspergillus nidulans

<400> 18030

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 <213> *Aspergillus nidulans*

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812

<210> 18032
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<212> DNA
<213> Aspergillus nidulans

<400> 18032

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<212> DNA
<213> Aspergillus nidulans

<400> 18033

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<210> 18034
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<213> *Aspergillus nidulans*

<400> 18034

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820

<210> 18035

<211> 820

<212> DNA

<213> *Aspergillus nidulans*

<400> 18035

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<210> 18036

<211> 828

<212> DNA

<213> *Aspergillus nidulans*

<400> 18036

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 <212> DNA
 <213> *Aspergillus nidulans*

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834

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<212> DNA
<213> Aspergillus nidulans

<400> 18038

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<213> Aspergillus nidulans

<400> 18039

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 <212> DNA
 <213> Aspergillus nidulans

<400> 18041

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<400> 18042

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 <213> *Aspergillus nidulans*

<400> 18043

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<213> *Aspergillus nidulans*

<400> 18044

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<213> Aspergillus nidulans

<400> 18045

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<210> 18046

<211> 854

<212> DNA

<213> Aspergillus nidulans

<400> 18046

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18047
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<210> 18048
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 <213> *Aspergillus nidulans*

<400> 18048

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<210> 18049
 <211> 857
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 <213> *Aspergillus nidulans*

<400> 18049

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 <211> 863
 <212> DNA
 <213> Aspergillus nidulans

<400> 18051

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 <211> 868
 <212> DNA
 <213> Aspergillus nidulans

<400> 18052

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 <213> *Aspergillus nidulans*
 <400> 18053

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 <213> Aspergillus nidulans

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<210> 18055

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 <213> Aspergillus nidulans

<400> 18055

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 <213> Aspergillus nidulans

<400> 18056

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<210> 18057
<211> 875
<212> DNA
<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*

<400> 18058

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<400> 18059

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<213> *Aspergillus nidulans*
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<210> 18061
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18061

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<210> 18062
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18062

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<210> 18063

<211> 886

<212> DNA

<213> *Aspergillus nidulans*

<400> 18063

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<212> DNA
<213> *Aspergillus nidulans*
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<400> 18071

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<400> 18073

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<400> 18075

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<210> 18076
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<213> Aspergillus nidulans

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18086

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18088

<211> 203
 <212> DNA
 <213> Aspergillus nidulans

<400> 18088

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<210> 18089
 <211> 228
 <212> DNA
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<400> 18089

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<210> 18090
 <211> 309
 <212> DNA
 <213> Aspergillus nidulans

<400> 18090

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 tggcgaacct cgcacaaacc taccggaacc agggacgatg ggacaaggcg gaaaagttat 180
 ctatgcaagt catggagaca agaaagagag tactgggccc tgagcatcct gatactctaa 240
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<210> 18091
 <211> 353
 <212> DNA

<213> Aspergillus nidulans

<400> 18091

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cacaagcgga caaaagaacg gaagctttaa ttgagaagga ctgcccgaag tgtgggagga 300
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<210> 18092

<211> 386

<212> DNA

<213> Aspergillus nidulans

<400> 18092

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cgctgtgatt ggggttcgga tctgcgggtg gtggacgcta gtatccttc cgtcagcata 360
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<210> 18093

<211> 390

<212> DNA

<213> Aspergillus nidulans

<400> 18093

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<210> 18094
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18094

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 cgactgcatt ttcttactgc ctcaagcgcg aggcgtttgg gaagacgctc atggaccagc 180
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<210> 18095
 <211> 409
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18095

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<210> 18096
 <211> 418
 <212> DNA

<213> Aspergillus nidulans

<400> 18096

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<210> 18097

<211> 421

<212> DNA

<213> Aspergillus nidulans

<400> 18097

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<210> 18098

<211> 422

<212> DNA

<213> Aspergillus nidulans

<400> 18098

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 ccacagctga gcgccgcgct acaatcctca accaaatcct tgaacccgaa gccgcagatc 300
 ggctggggccg aattcgactt gtgaaagagt cgcgtgccac agatattgaa aacagggtca 360
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<210> 18099
 <211> 429
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18099
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<210> 18100
 <211> 432
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18100
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 aatctctccg gctgaagatg cgtctcgtcc tggctcggct gatctgcgag tttgatttgg 300

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<210> 18101
<211> 438
<212> DNA
<213> Aspergillus nidulans
<400> 18101

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cgatggcaag agggttgctt acacggccat ggaagagcgc gccgtcgttg cgggagagca 180
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<210> 18102
<211> 438
<212> DNA
<213> Aspergillus nidulans
<400> 18102

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caatggcgag tggaagtt 438

<210> 18103
 <211> 439
 <212> DNA
 <213> Aspergillus nidulans

<400> 18103

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 cgcattccgc ggtggagaag ataggtcttc ccgaagcgcg gatcaatctc gcacatgcta 180
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<210> 18104
 <211> 441
 <212> DNA
 <213> Aspergillus nidulans

<400> 18104

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<210> 18105
 <211> 448
 <212> DNA
 <213> Aspergillus nidulans

<400> 18105

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ggcccgctcc aactacacca tctcaacg 448

<210> 18106

<211> 448

<212> DNA

<213> *Aspergillus nidulans*

<400> 18106

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acgatgccag ccagaggaag aaccaggagg tcctccgagg cggcctggat gctctggcgg 180

tcctccgtga cgccggcggtg gcaatgtgct acggatccga tctcctggca ggcttgcatc 240

ccctgcagaa ccaggagttc cggatcaggg ctgggtgtgtt gactgcccgt gagattctac 300

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ggagcggggg tattgcggac ctgcttgctc tcaaggcaaa tcctctggag gatatcacag 420

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<210> 18107

<211> 453

<212> DNA

<213> *Aspergillus nidulans*

<400> 18107

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<210> 18108
 <211> 454
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18108

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 ttacgagtaa tgacaataaa atactgcttc gatttgtgtca actctattcc cagctatgta 180
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 gcatgaccag cgcaattgct ctgcgatttc aagc 454

<210> 18109
 <211> 461
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18109

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<210> 18110
<211> 471
<212> DNA
<213> Aspergillus nidulans

<400> 18110

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tatgcagaat tccaggagca tcattcttgc cgtcatcagt gcaaagaccg actatcatct 180
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<210> 18111
<211> 472
<212> DNA
<213> Aspergillus nidulans

<400> 18111

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tgactggagg cgggtggtgcc ttgaatatc aatacctcaa catgcttagc gcgcatagca 360
gctactggac gctcacggac ttctgctgat tctcgttat agagatcgct cggaagcaga 420
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<210> 18112
 <211> 482
 <212> DNA
 <213> Aspergillus nidulans

<400> 18112

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acatggggcg agtgtttgta ctatgggaaa gtatgcgaat ttcataccat taagttgaaa   180
cgcaacggga tgtaacgctt ttaccagaaa cactcaatcc gaaagtgcac cgggtccgtc   240
ctctccctgc ttctcttgct tggggccatt gaaaccggcc tggatttcgc tctgcgcagc   300
gccaaagaca ggaacctgaa atggccgcta accattatgg ccgtcctcag ctctgctttt   360
ctagccgcag gcgtgctgcg ccactactgg gacatctacg tgcacggac cgtccgaggt   420
atcagtttta tcttcgtggc gatcgacgcg gccggagatc tgttctcact cgtttctggt   480
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<210> 18113
 <211> 490
 <212> DNA
 <213> Aspergillus nidulans

<400> 18113

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aactttgacg caaggtttgt cctacgtttt ctatacatcg aggatttggg tattaacagt   180
gccatgacag tctcctctac gtccgcaacc gccatgacct caccgacttc ttggatatca   240
ccccggcata cctgcgcaac ccctactctg aatcaggcca ggtcatcgac taccgcaact   300
ggtctatccc gcttggccga cggtccgagc cgctcaagat ctggttcgac atgcgcagct   360
acggcctcaa cgggctgaag gatttcgtgc gcaagggtat caagctggga gatacctttg   420
cagatctcat ccgcagccgc ggtgatctct ttgagattgt gaccaagccg gcatttgggc   480
tgactgtggt                                                                 490
  
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<210> 18114

<211> 491
 <212> DNA
 <213> Aspergillus nidulans

<400> 18114

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tactttttgag cggatcacgc ttgttctggg agggctctgga gttacaccgg ggtaccaggt 180
cattgcaaag atcctgttat ctgatggaag ggataagacc aagatccgtg ttattgatgg 240
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tccggagcag ttccagattg ttcattgttct gagtcattgct ggagatgact ggaagggcga 360
gaggggacac gtcagtgcag aaattctcca taagtctggg tttgaaccga cgagaagagt 420
gttgcgttgc tgtgtggccc gccagcgatg atacaaaagg cagtactccc cgactgggtc 480
gactggggat a 491

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<210> 18115
 <211> 495
 <212> DNA
 <213> Aspergillus nidulans

<400> 18115

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ggaatcccgg agatgcttct ggggtgctgtt cacatgggta aatatttaat cgtcagcagg 180
gagttcagag actacccatt tctgcgaaac tgggatcgga ccctattcct ggacgatgat 240
gaagttcagg gcatatcgca atacctatta gatctcgga cagactcgta tatcaaaagc 300
gaaagacaga ccaaaaggct cagtaaacag gtgcttgggg acagggcgac gacggtcggc 360
aatgctttga actggttctt cctggcttcg aagttgtcaa aaaggaggt tgttgagccg 420
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tcacgtgcta gctgt 495

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<210> 18116
 <211> 503
 <212> DNA

<213> Aspergillus nidulans

<400> 18116

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cgtcgggtctc ctcttcacct caagagaccc cgctctgtc accgactact ttgacgcttt 180
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tacgattgag ccggagctgc gcaagctggg cgtaccact cgtcttgta aggggaaggt 360
aatgcttgag ttgacagatg gacaagagg gtatcctgtt tgcaagaaag gggagattct 420
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cggactgaag gctcactggg cta 503

<210> 18117

<211> 506

<212> DNA

<213> Aspergillus nidulans

<400> 18117

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cagaacgtta ctaggggcga acgagttctt gcactggctg aggttggtc tataccagat 360
ccggaacttc aggctaagga gaatgtcact tgggcctact ggatggcctg gaacgatgaa 420
ttcatcaagg atgggaacca taactctcaa aagttcttgc aaaacatact caacagcagc 480
aggatcataa gcctgaatgg tgccac 506

<210> 18118

<211> 509

<212> DNA

<213> Aspergillus nidulans

<400> 18118

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ccaaacgggtg gtaccaccag cgtaggcctc ccatttcctc caccttctac atacttcgaa 180

ctgactcagc tggctactat agttgaatac cattattatc aacagcttcg gctacgatga 240

acttcagaca atcctcatgg gcatgccagc cgctgccttc cagctcacia cagtcatact 300

cgccgccctt ttcacaactt acatccgcaa gtccagggtg gctgctatgg ttgcaatctt 360

cctgatggcc atggctggaa ttcttatggt caagcttctc ccctatgaca ggaagattcc 420

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cttgtttgca agcaatactg ccggattca 509

<210> 18119

<211> 512

<212> DNA

<213> *Aspergillus nidulans*

<400> 18119

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tgggcacaga tctggtgggg ggtctcggga atgggcttat tcctcccttg ggcaggaagc 180

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ctactatata attggagcct agtgggacgt aa 512

<210> 18120

<211> 525

<212> DNA

<213> *Aspergillus nidulans*

<400> 18120

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 ggaggtcatc cacgagtgtg ccgatgcctg ggagaagctt gtcagcggaa agtcggaccg 360
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<210> 18121
 <211> 535
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18121
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 ccggcttgtc ccgccgcctc atgcatcgca tgagagtttt gtcgcggtct atgcgccggg 180
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 gactctggtc catgcgcaag ttgatgtgga gaagttttac gagcgactgg gcttcgttac 480
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<210> 18122
 <211> 540
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18122
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 tgatgcagaa cagtgccgtg aaggaaatca tcaacatgag agtccagttt cgaattcccg 180
 ttgttatgta ctactgacac agcatcttct cttctctcaa gctcaagtgg ctttggatcc 240
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 actgacgcct tatagtggat tcagagtgat atgggtggga agaagccga tctgactctc 480
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<210> 18123
 <211> 543
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18123
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 ccaaccccc ctccgagcag agggagtgct tcaatccctt cctcccagct ctgtacgcct 180
 catacagtcc gccaaatata tcgaaaagct tgctcagttg aaaagctgct aaagaatggc 240
 tctaagagtc cttcatcccc ttccaaacga gcatttgatg agcttgtaaa ggggtgtgag 300
 ttggccatgt acaatgctgc cttgttagcc aaagaaaact ctgatctccg cgcagctatt 360
 aagaataaca agcaaaaaaa gagtcgctct aaaagccaaa taactcctat acatgggatt 420
 tcagttcagg aagctagggg tcttattttg ttgagaaatg agcaattgga ggcagagggg 480
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 tgt 543

<210> 18124
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18124
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 aaggcctccg aagaattcat cgcattctcc gagatgatgt tccgcacgct gttgaaggag 480
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 gtccc 545

<210> 18125
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18125
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 ttcaattttg tgttccatga ctgcacgaca ttcacacccat tcgatgctga gtttgatgtg 180
 gtcgaagaag tgcatagcct tcttggccgg aaggacggc gtgtgggagg taaagagggt 240
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 aaggcctccg aagaattcat cgcattctcc gagatgatgt tccgcacgct gttgaaggag 480
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 gtccc 545

<210> 18126
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18126

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 gccccccgtc gattatcacc ctcccttgagc tccacaaacg ctgcccggag atatttgaca 180
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 cctcgctcga tgaagctggg cctcatcttg tccacactgg ggatgttgac cacctgggtgc 480
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<210> 18127
 <211> 545
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18127

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 caaggagaat ggcgagatca tgtacacca gagcaagggt ttcacactga acggccgtgt 480
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 gctgc 545

<210> 18128
 <211> 547
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18128

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gaggagacga ttcgactggt cagattttcg acattgctgg aacttcctta acgccccaaac 180
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aggttga 547

<210> 18129

<211> 548

<212> DNA

<213> *Aspergillus nidulans*

<400> 18129

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tcccagaaca gaatggcacg cctgggatat cgtcgtctac ttgcgaattc ttgccaacct 180
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acaatcataa ctgggccagc gggcgagaca tctcataaaa tgggtaaggt gcctaataat 480
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gctcacao 548

<210> 18130

<211> 553

<212> DNA

<213> Aspergillus nidulans

<400> 18130

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<210> 18131

<211> 556

<212> DNA

<213> Aspergillus nidulans

<400> 18131

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<210> 18132

<211> 572
 <212> DNA
 <213> Aspergillus nidulans

<400> 18132

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 cgtttgtcta tattgaccgg attgggcgcc gtgcgcatct gctatattcg ataccctga 180
 tgatcatctc gctcttcgtc tgtgctgtga cattctcctt tgtggagtgg ccgaaagata 240
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<210> 18133
 <211> 572
 <212> DNA
 <213> Aspergillus nidulans

<400> 18133

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 cacaatgatc agcgggcgcc ccatcaaggc cgggtttggg gctggtatct tggaggatga 480
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<210> 18134
 <211> 592
 <212> DNA
 <213> Aspergillus nidulans

<400> 18134

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tttgctgagg ttttaggtaa gtaaattcag ttgcatcaat acgaggaggg ctgataaagc 540
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<210> 18135
 <211> 594
 <212> DNA
 <213> Aspergillus nidulans

<400> 18135

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tgactgcatt ttatgtgtgg actctgagct cattgaatgc gacaatgaaa gaccttattg 180
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<210> 18136
<211> 597
<212> DNA
<213> Aspergillus nidulans

<400> 18136

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gcaaagcggg gcttctgggc tccgacaatc catccactct cagagccaag aacgatctca 420
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gaatatcccg aaggcggagg attaaaaacc atgctagaaa ggagacgctg ttatcaaatt 540
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<210> 18137
<211> 603
<212> DNA
<213> Aspergillus nidulans

<400> 18137

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aatgcgaggt ttttcttggg ttatgctgac tcgtgctcat aggcgcgttc actcctacct 180
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<210> 18138
<211> 608
<212> DNA
<213> *Aspergillus nidulans*

<400> 18138
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<210> 18139
<211> 619
<212> DNA
<213> *Aspergillus nidulans*

<400> 18139
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 gcagctggct ctggctctgc gcgacgaagt tgttgacctc gaggcggccg gtgtcaaggc 540
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<210> 18140
 <211> 621
 <212> DNA
 <213> Aspergillus nidulans

<400> 18140

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 ctgcgctcgt cgtcgctggc tacaccacca aggacgtcgc caccggcgaa gacctcttct 180
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 tgcacggcct ctgctcgctc ggtgtctcgg gcaagcacgt tttccagaaa tttggcccca 480
 tcaagaactt gaaggttcgc tttgctgggt ttgttctgcc cggccagact ctcaggacgg 540
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<210> 18141
 <211> 621
 <212> DNA
 <213> Aspergillus nidulans

<400> 18141

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<210> 18142
 <211> 625
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18142

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 ttcatcgtgc tgaagatgat ggtcggcaat aatctgaagg atgtgcagct acaacagatt 540
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<210> 18143
 <211> 627
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18143

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aaatatgctg acgaatatgg gttatgg 627

<210> 18144

<211> 631

<212> DNA

<213> *Aspergillus nidulans*

<400> 18144

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cacttgcgct gccaacaaca aaggcattct t 631

<210> 18145
 <211> 633
 <212> DNA
 <213> Aspergillus nidulans

<400> 18145

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<210> 18146
 <211> 638
 <212> DNA
 <213> Aspergillus nidulans

<400> 18146

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 gtatcccagc ggacgtctcg tccgcgtcgt ccgtctcctc tctcgtcaga gacactaccg 300
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 tcaactgcta tacggccgcg gcgcgacaga tgatcgctca aggcgacccc aaggcgccgc 480

cggtgtcga ggtgtacaag atcctcggcg cggcgagtat cgtcgccaca agccgtttcc 540
aacaatgggg atctactcag ccagcaagtg ggcgggtgctt gggctgacgc aggcaatggc 600
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<210> 18147
<211> 642
<212> DNA
<213> Aspergillus nidulans

<400> 18147
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<211> 643
<212> DNA
<213> Aspergillus nidulans

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gaagctctac cccgaattcg gcaaattata tcccgagggt tcaactgatgc tttctcgggc 300

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 ccgacagttt actcctgcta tagtatacgc ctggatgcgg ctaaaggaac aggtgagggg 540
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<210> 18149
 <211> 649
 <212> DNA
 <213> Aspergillus nidulans

<400> 18149

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 gcatagcttt tcaactaact cagcccagga acatctacct gaaagcaaag aaagcaggtg 180
 gcatgaaaat caccttccag acaccacca aatacctcga cgaaaagatg atctacaacg 240
 tcttccgaga ctataaaatg cttaactgcg aggtccttgt ccgtgacgaa aatgggtgcg 300
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<210> 18150
 <211> 659
 <212> DNA
 <213> Aspergillus nidulans

<400> 18150

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tcctttgcaa gaggtaaacc gctgaatcca tcacagctgc tgatccagcg catctaacaa 180
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tttttccacc aggacggcga ttacagcggg tgccgcgctg gggaggatcg tcattatggg 600
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<210> 18151
<211> 659
<212> DNA
<213> *Aspergillus nidulans*

<400> 18151

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aacagactac ggctggctgg acaagacgtc gactaatgcg ccgtcactga acccggccat 180
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<210> 18152
<211> 662
<212> DNA
<213> *Aspergillus nidulans*

<400> 18152

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cgtccatgga ttccacttat gaccactact aacattctgt agtggcgtct gcaaagaact 600
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ca 662

<210> 18153

<211> 662

<212> DNA

<213> *Aspergillus nidulans*

<400> 18153

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caagagtctt gtgtcatccg ctgccttact cgaccacttc cgcgcgctcg cagacgcttc 180
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gggcggggttt gtggctgtta agagtgcact gcaatcctat cgcggatatg gacagcagcc 600

gcggcgccg tgcgttgccg cttcatcgga ggaagcagcg gcattgaagg aagctttcag 660
cg 662

<210> 18154
<211> 665
<212> DNA
<213> *Aspergillus nidulans*

<400> 18154

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tcaagctctg ggatcctccc agcggtagcc tcaagcatac cctagagggc cattcgaata 180
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caaccattaa gctctgggat actgccactg gtagcttcag gcacactcta aagggccatt 300
cagatatggt tttatcagtg gtcttctcac cagacagcca gctcctggaa tctggctctg 360
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ctcctggcat tgtaggagc attgaattct ccatagagct gcctcagctt attaccaacc 480
tggaacttt tagtattcaa gcctggcata caggctaccc atcaagatct tctggaaaaa 540
agactgcagt ctctgtacag cgaaatcgtt gggttgctat tcaaggccaa aaggaattat 600
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gctgc 665

<210> 18155
<211> 666
<212> DNA
<213> *Aspergillus nidulans*

<400> 18155

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agtcgctgat acggcggagc tcgaggggct gctgacgacg ccagaggaga gcgaggagtt 180
tgtcgacacg gggatcgatc tgctcgcgcc cgcgtttggc aacgtccatg gcgagtatgg 240
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ccgcgtcaga cttgtgctgc acggggcgga tccgttcacc gaggagatct tccggaaatg 360
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 ggtacaaaga gagaaggccg ggaggggtgcc gcttacgcag ctgctggagg aggcaacgga 480
 cgagatgcaa aaggccgtgg agaagtgtat ggatatgctg gggagcacgg ggaggtacta 540
 gtctgagttc tagggtagtc tggaccagtc tttttgttct ttttgtatct tctttgcatc 600
 taatgaagtg taccctagcc ctgagtataa atctagccga tcagccacgg ttttaagagaa 660
 gcgcaa 666

<210> 18156
 <211> 670
 <212> DNA
 <213> Aspergillus nidulans

<400> 18156

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 ccgaccacga actcgacctt gatgatcaca accaaatcaa catctacaac ggccgtggca 180
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 caccatacta ccaggcgaat cccaacgcgc tcgtaccctt cacgccacag gattcctgga 360
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 ttgagcagac 670

<210> 18157
 <211> 679
 <212> DNA
 <213> Aspergillus nidulans

<400> 18157

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 agaaggacgt cttcaacaat cgaccctcga cctcctttcc ggctgcgaca tccaattccg 180
 ccgtgaaaac cgcctcgaca tcgccttggg caagaacctg cctatcgccc tcatcttcct 240
 cccgcgcgct gacatcccg a cgtttgttgg agagggccgc gtcgatctcg gtatcaccgg 300
 ccgcgatcag gtcgccgagc acgatgcca gtcggcctc ccagagggcg aagtttctgg 360
 tgtgcaagaa atccttgatc tagggtttgg cgggtgcaaa ctgcaggtcc aggttccgga 420
 gaagggagac gtccagaaag tcgagcagct gattgggaaa aacgttgtga caagcttcac 480
 tgcgctgagc gagcaattct tttcccgtt ggagaaggag catggccctg cggagaagaa 540
 gacgaacatc aagtatgtgg ggggcagtgt ggaagctgct tgtgcgctcg gcgttgccga 600
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 ctaaggaagg cagaatccg 679

<210> 18158
 <211> 680
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18158

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 catcaaggat ccccaaaata gattcatacc gcaagcagtg tgtcattgac gatgaggtcg 180
 ctctgttgga tgcctcgat accgccggac aggaagaata ctctgccatg cgcgacaat 240
 atatgcgaac gggcgaaggc ttcctcctgg tctactccat cacatcgct caatcctttg 300
 aagaaatcat gacattccaa caacaaatcc tccgcgttaa ggacaaggac tacttcccta 360
 tcattgtcgt cggcaacaaa tgcgatctcg acaaggagcg agtggatatcc gaacaagggtg 420
 ggtttaatac gtcgcttcag gtcatttcgt tatcacagtt ggctaataat caacctcaga 480
 gggcgaatcc ttggcacgac agttcggctg caagttcatc gaaacatccc gaaatcgcg 540
 atcaatgtcg aaaacgcttt ttacgacctt gtgcgtgaga tccgccggtg caacaaggag 600
 atgtccaacc catctggatc cgggtgcattc ggcgcccgcg ccccgacag caaatggac 660

gtaagcgagc ctggtgagag

680

<210> 18159
<211> 690
<212> DNA
<213> Aspergillus nidulans

<400> 18159

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ttacctagat ccgaaggcgt tctccgatat gataaacgag gtaggctttc ttgagtctgt 120
cgtgcgaggt cgctgacaat gataggtaca tacggtgatg gcattcgcag cctcgatgac 180
aagtcgaagc caacattttc ccgacacatc tttcgtctgg agatcagcgg cccaaatgag 240
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ctcagacacg gctgggttct agtccgcagt cttgggaaga gcgagctcgc tactggagac 600
aagactcgcg cggacataga ggcagagctc agatcgagac cgggatgggg ccttgtgccc 660
gcagatcgat ttggtattga atcgctcagg 690

<210> 18160
<211> 697
<212> DNA
<213> Aspergillus nidulans

<400> 18160

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accaggaatc acaggaacca tggcgcgatc cccaaaccgg gttctgcaag ccggtcccg 420
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aaggcgatgc ttatttccga acgggcgaca tgatgcgatg ggataccgaa ggccgctggt 600
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aagtggcaga ggtgctgggg actcaccag aagtgca 697

<210> 18161
<211> 697
<212> DNA
<213> Aspergillus nidulans

<400> 18161

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acctatggcc gtggcgtcaa gtgtaccggt caagacgaag gtggtgacga ggacgccgtc 180
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gcactgtgaa gatcagcggg gtcaaggctt ctacggcaa ggcccttgct ggcatcaact 600
ccaactacgg tgataccgct tccatcaaag gtgcgcgacc agtggttaagg agatttgtgt 660
tgagtatgag ggtaccaaca acaacagcaa ggagcct 697

<210> 18162
<211> 702
<212> DNA
<213> Aspergillus nidulans

<400> 18162

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 ttttcattag acacctcgaa gttcggaata cactacttca aatatcaatc cttctgggtt 180
 cttttctagc agggaacaac ttttgaacta ggcaacgata tattgaaact tgccctctga 240
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 ataccgaaa tctgcattac gctcgacgga cctatatgtg accgttgagc cttgcgtcat 360
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 aagtactgtt agcttttcag atgctgacct gcttcagttc tgccattgat ccgccttacc 540
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 aagaaaatga aaagggtatg gtgattatat gcgttgctat actcaaagaa actgctgctg 660
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<210> 18163
 <211> 703
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18163
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 gtgggtgacg atctccacca cgggtgcctgg gttattatcg tcgttgcgct gggactcggt 180
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 cctaatacata gctgtgagcc taatagagag aatgatctga caatcaccta cccacctttt 360
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 acgtcgattg atttgcttga cgagggagac gtaaatatta tccaggttgt gagtggcccg 480
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 gaaggcaggt ctaacagtg gtgcaccagc tcatcatcac gagcgacatc ctctatctca 600
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<210> 18164
 <211> 711
 <212> DNA
 <213> Aspergillus nidulans

<400> 18164

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ttgtgggagt gccgaagca ggagatggac ttgaataagt gtgtcttcga taagttggtg 480
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tgcacctccg acccaagcag ctgtacgctt cattccccgg tccgcaatac taaccaacca 660
acaactacaa atgaacgtct tattatacat ctttagaga aaacgaatgc a 711
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<210> 18165
 <211> 715
 <212> DNA
 <213> Aspergillus nidulans

<400> 18165

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cacgaccttt ggtggatcgc gcttgccgtc ttcttaatct ctatcatgga gtccagcaac 420
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tacaccaaag atccccgtagg atattcgacc ttcaacattc tcttcgaagt catctctgcc 480
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 tggcattcgc ttagcaagct tatcttagca gcggttgccg ttagggggag acatcgaggg 600
 ctgccggttg ctattgataa tgcgattatg ctgccaaagt agtcaaacgc ccaggcgtgg 660
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<210> 18166
 <211> 716
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18166

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 cttgcgcctt gacgtggaag ttcccttgct gttcatctc tttctgggca atcgatcgtc 180
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 cgtcgccgtg ggagatcgtc tcgatggccc gcaagctgcc gcaaggagaa gtcgctgagg 660
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<210> 18167
 <211> 733
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18167

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<210> 18168
 <211> 740
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18168

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740

<210> 18169
<211> 746
<212> DNA
<213> Aspergillus nidulans

<400> 18169

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ggaaacgtcg ccctgaacac aactaagccg ctgaacattt ctgtaccgaa cgccagcgcc 600
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<210> 18170
<211> 762
<212> DNA
<213> Aspergillus nidulans

<400> 18170

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cacctcacgc ctcccatcta cttcaacctc ttgatgtggc ttgctttggg ccactaaaaa 360
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<210> 18171
 <211> 768
 <212> DNA
 <213> *Aspergillus nidulans*

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 cctccggaat gaaaaaacac gcctctcgac attaaagggc atccacgcgt ctctgaaaaa 420
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 agtgaagatg gagagcgagt atcgcccgac aaagctgact agtgacacta atgggggggtt 660
 ggcagggtgg gtgaggctca tgggggcggc atttctggac gttgtggata ccgagaagag 720
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<210> 18172
 <211> 773
 <212> DNA

<213> Aspergillus nidulans

<400> 18172

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gctgcaggaa agaagaagaa gaaggttaca gctgctcagc tgcgtgttca gcgaggtatg 180
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accctgacga catcttgaat ttcacactga ccattgagcc ggacgagggc atgtacaagg 360
gtggctcatt catcttcacc ttcgccgtca accagaactt cccgcatgac ccgccgaaag 420
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cttactttaa tcatgatact gacatacttt ggatggccgg cagtcccttt tccttgagcc 660
gaacgcttcc gatccgttaa ataaagaggc tgctgaggac ctgcgacaga accgcgacct 720
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<210> 18173

<211> 779

<212> DNA

<213> Aspergillus nidulans

<400> 18173

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ttagatgctg ggaagttgca cccagacatt cttacatgca acggacatac cgtcgctgag 180
aatgtgaaag ggcatcacag ctgggaccga cgggtcatca agccgtacag cgagccctt 240
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gcctttgaag gggccgttgt cgttttcgac gggccagagg actaccatcg ccgattggag 420
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<210> 18174
<211> 780
<212> DNA
<213> *Aspergillus nidulans*

<400> 18174

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gagaagccgc tcgacgggcc cgcgaccgcc ttacaccctc gtctcgtaga cgtcgaccgg 180
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ccttgcgcg cgagtgcctg gtcccggtcg cactgcagga tcaccgtgtg agagtcgctg 660
caggaactct gttccgagtc cagggcgacc aggcggagga caagaacgag ttggggtcat 720
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<210> 18175
<211> 789
<212> DNA
<213> *Aspergillus nidulans*

<400> 18175

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acggacttgg gatgggtatc gcgattaaag ccgacctcct tgatccaaac attggccatg 240
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aggagctggc gaaggcgttc actgcggcac agagagttgg catgccccaa gatattgcgt 720
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ctaattgggg 789

<210> 18176
<211> 793
<212> DNA
<213> *Aspergillus nidulans*

<400> 18176

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ctaattgggaa acttcgagaa ggactggctg tcaaaagggtg acaagcttca gacaaacacc 180
gatttgtcta aaagacacac gcgaaatcag tcaagtctcg acgggacaaa atacaaagat 240
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caccggggga aggacctgcg acggcagatg atcaacgctt ttaacgtatg gttgaagggtg 360
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ttgatcgacg acgtcgaaga caactctctt ctccggcgag gaattccggt cgcacatagc 480
atctatggca ccgcgcagac gatcaattcg gcaaactacg ttacttcct cgcctccag 540
gagggtgcaaa aactgaagag tccggcagct atcgacatat acgtccagga gctgctgaat 600

ttacacagag ggcaaggcat ggatctgttc tggcgagaca cgctcacttg tccaagcgaa 660
 gatgaatact tggagatggt gggcaacaag actggagggt tgttccggct agctgtgaaa 720
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<210> 18177
 <211> 794
 <212> DNA
 <213> Aspergillus nidulans

<400> 18177

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 ggcatttaga tccggctctg gcatttagat ccacaacgct gataccctct ctggcccttg 180
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 tatatctatg tcga 794

<210> 18178
 <211> 796
 <212> DNA
 <213> Aspergillus nidulans

<400> 18178

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 cgggtgtacgc cttctgcata gacccaagc atgccgggta cttcttctt tgcttcaagg 660
 ccggagagca ccgcaggtg catagctggc cgggtcaagg gattcccaa gggtagcagc 720
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<210> 18179
 <211> 800
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18179

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 gtgccaatgg atggactaca gatataattg gccttcgctg gcttcaaaaa gtctttatcc 180
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 aattaaatat caacctgggt actccaaccc cccctccaag ccatgggggt gcttcaatcc 600

cttcatacaca gcttggtagc ccttatactg tgcgccatgt gcatcgaaaa ggctcttcag 660
 ttaaaaaagct actttggaga aggtctaaaa gtctccaac tcctaccaa aaagtcctag 720
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<210> 18180
 <211> 800
 <212> DNA
 <213> Aspergillus nidulans

<400> 18180

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 atgggctatg ttttctgatg tggaagttgt cccagccgca taacatccgc tttcaggagc 180
 gactatggga ggaattgaga actgcccgcc cagatatccc gttagataag ttaccgtact 240
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<210> 18181
 <211> 805
 <212> DNA
 <213> Aspergillus nidulans

<400> 18181

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 agacgaccag tatatcatgg ccctacaata tctccagcag gaccacggg cccagctcct 180
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 agctgactac gaccagttct ctctcatcga ttctcgccca atcgttaaaa tggcagggtt 360
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<210> 18182
 <211> 810
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18182

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 aatcgctacc gatctgagat ggatatgcaa aagattgcgc tcttttcgcg cattaccaat 240
 gcctgtatac gccagtttac gttaccgtc cacgaacca tcattctggt catcgcgctc 300
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 ttgcgagaaa tcaatctcaa tctgggtcccc attatcgcct cggccatctt cggcttcgga 780
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<210> 18183
 <211> 812
 <212> DNA
 <213> Aspergillus nidulans

<400> 18183

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 cagcctcatg cagtaggctt taatctaagt tgggacaggc tcagttctgc gatgatcgac 180
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<210> 18184
 <211> 815
 <212> DNA
 <213> Aspergillus nidulans

<400> 18184

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 agacagcact tacataccaa cagggccaga ctctgaagc tggtcgagta tcctaagatc 720
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<210> 18185
 <211> 819
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18185

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 gcaccattac ttacacccta tccacgacca gaagtcctga caagccaggt tcatccccgt 180
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<210> 18186
 <211> 820
 <212> DNA
 <213> Aspergillus nidulans

<400> 18186

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 agcataaatt cgggagaaga ctcagttgta tccgcactcc actgccggcc atttgtggaa 180
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<210> 18187
 <211> 821
 <212> DNA
 <213> Aspergillus nidulans

<400> 18187

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 <213> *Aspergillus nidulans*

<400> 18188
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18189

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<210> 18190
 <211> 848
 <212> DNA
 <213> Aspergillus nidulans

<400> 18190

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<210> 18191
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<210> 18192
<211> 874
<212> DNA
<213> *Aspergillus nidulans*

<400> 18192

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<210> 18193
<211> 888
<212> DNA

<213> Aspergillus nidulans

<400> 18193

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<210> 18194

<211> 895

<212> DNA

<213> Aspergillus nidulans

<400> 18194

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 <213> *Aspergillus nidulans*

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<210> 18196
<211> 899
<212> DNA
<213> Aspergillus nidulans

<400> 18196

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<212> DNA
<213> Aspergillus nidulans

<400> 18197

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<210> 18199
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 <213> Aspergillus nidulans

<400> 18199

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 <213> Aspergillus nidulans

<400> 18200

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 <213> Aspergillus nidulans

<400> 18201

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<210> 18202
<211> 938
<212> DNA
<213> *Aspergillus nidulans*

<400> 18202

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acagataatc acgagctctt ccaacggatg gtggctgaat cagtcttcgc tgacggcaac 180
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<210> 18203
<211> 941
<212> DNA
<213> *Aspergillus nidulans*

<400> 18203

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<210> 18204
<211> 943
<212> DNA

<213> Aspergillus nidulans

<400> 18204

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cggcgaaaacg gacctcgcaa tccgcgagct ccacggccgt ggcaaaagaa ggcgtcgccc 180
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<210> 18205

<211> 945

<212> DNA

<213> Aspergillus nidulans

<400> 18205

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cgatgcgcaa gtaaacacta ggtcgacaga aaactgggtg caacaattgt ctcaaccttc 240
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 ggcaggtagt tcatgtccaa tctggaccct cggtggagtc tgctttgctg agtctaaata 780
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<210> 18206
 <211> 949
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18206

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<210> 18207
 <211> 951
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18207

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 accttttgcc tctgggtcaaa tctcgtctag tcagctatca aatctcaatg ctccgtcccc 240
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 gccgacttct ggacatatgc caggcacgcc tcaacaacat tcaagtgggc ctccggcata 540
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 aggtcggct cataatcggg ttacagtca aggatcgaat ccgtttcccg gaccgttacc 900
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<210> 18208
 <211> 952
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18208

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atgttgtgga ctacaccttg atgtcccttg aagggtgaacc gatactgaaa gcagcccggt 180
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cacgaaacgg agcctctgcc gggtcgagca tggactatgc ttatgtagag gtcattggcat 360
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<210> 18209

<211> 959

<212> DNA

<213> *Aspergillus nidulans*

<400> 18209

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atgtctcgtg ctgcttccat cgcccaggat gctctcgacc acggtctgaa ggccaagtct 180
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<210> 18210
<211> 960
<212> DNA
<213> *Aspergillus nidulans*

<400> 18210
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<210> 18211
 <211> 960
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18211

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 agaggatata caccctaata tgctgatgcg cactccatcc aagctagaga acgaacgcaa 180
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<210> 18212
 <211> 980
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18212

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<210> 18213
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<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 18213

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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18214

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<210> 18215
 <211> 990
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18215

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<210> 18216
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 <213> Aspergillus nidulans

<400> 18216

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<210> 18217
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 <213> Aspergillus nidulans

<400> 18217

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 <400> 18218

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 <213> Aspergillus nidulans
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 <212> DNA

<213> Aspergillus nidulans

<400> 18221

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<210> 18222

<211> 1027

<212> DNA

<213> Aspergillus nidulans

<400> 18222

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<400> 18226

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<210> 18227
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<400> 18227

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 <213> *Aspergillus nidulans*

<400> 18228

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 <213> *Aspergillus nidulans*

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<210> 18231
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<212> DNA
<213> *Aspergillus nidulans*

<400> 18231

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<210> 18232
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<213> *Aspergillus nidulans*

<400> 18232

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<210> 18233

<211> 1083

<212> DNA

<213> *Aspergillus nidulans*

<400> 18233

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 <213> *Aspergillus nidulans*
 <400> 18234

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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18235

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 <213> *Aspergillus nidulans*

<400> 18237

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 <213> Aspergillus nidulans

<400> 18238

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<400> 18240

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<400> 18242

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 <212> DNA
 <213> Aspergillus nidulans

<400> 18244

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<400> 18246

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<400> 18247

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 <213> *Aspergillus nidulans*

<400> 18261

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 <213> *Aspergillus nidulans*

<400> 18262

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<400> 18263

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<400> 18265

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<400> 18267

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<400> 18271

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<400> 18282

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<400> 18283

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<212> DNA
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<400> 18286

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18290

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<213> Aspergillus nidulans
<400> 18291

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 <213> Aspergillus nidulans
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18293

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<213> *Aspergillus nidulans*

<400> 18294

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 <213> *Aspergillus nidulans*

<400> 18295

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18296

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<211> 1647
<212> DNA
<213> *Aspergillus nidulans*
<400> 18297

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<213> *Aspergillus nidulans*

<400> 18320

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<400> 18321

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<400> 18322

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<210> 18336
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18336

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<210> 18337
 <211> 200
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18337

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 ggtgggttcgc ccggtgcgga ccgtgtgatt ttcaacgagg atggagagat tgcgggctg 180
 attaccaca cgggggccag 200

<210> 18338
 <211> 202
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18338

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 gctgtgtatg caaaactgag aagacagctc gagatgattg catgctcttc tccaaatccg 120
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 atggcttcaa ggtctagggt ga 202

<210> 18339
 <211> 204
 <212> DNA
 <213> Aspergillus nidulans

<400> 18339

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 aagaaatagg actgactgta ttccccaggt tgtttatcaa ccgcgcctat cccaccatga 180
 agaagcaciaa cccgcacact ccca 204

<210> 18340
 <211> 210
 <212> DNA
 <213> Aspergillus nidulans

<400> 18340

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 tcgcgcgggg agctagtgtt tgctatctaa gaattgctcc atggatctca tcggaaatgt 180
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<210> 18341
 <211> 212
 <212> DNA
 <213> Aspergillus nidulans

<400> 18341

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 attaacgtca attatttgtc cactgcaacc actggtgact ggctcgagat tagaggctat 120
 gccataaaaa ttgggaaatc acttgctttt accacaataa ccatctcgaa acttactagc 180
 tccggcgata ctacgctggt ggcccaaggt tc 212

<210> 18342
 <211> 224
 <212> DNA
 <213> Aspergillus nidulans

<400> 18342

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tgacaattgc cagagtgaac ctcgctccgt tgggtacccc catcgctctg ctcgacgac 120
ggcccgacaa gacgtcaacc ggaaaggcag atggaatcca gcccgaagacg attgagacgc 180
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<210> 18343

<211> 225

<212> DNA

<213> *Aspergillus nidulans*

<400> 18343

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ttggtgtcag ccaagagcgg gcgtctctga tccccacctg ttcgcaagcc ggctacgcag 180
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<210> 18344

<211> 227

<212> DNA

<213> *Aspergillus nidulans*

<400> 18344

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gcgcatggcc accgttttcc acccgtctc tcagtcggta gccggtcaga tcatgaaagt 120
aaaggaactg gttgaggtgc aggaagttga taaaaatttg acgaaacaag agctgcatct 180
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<210> 18345

<211> 230

<212> DNA

<213> *Aspergillus nidulans*

<400> 18345

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ctcccgaagt gcaggtcgca atccttaccg caaagattct gaatttgtct agacacttgg 120

aaactactaa caaagacaag cacaacaagc gcaacttacg gcttctcggt cacaagcgac 180
agaagctact ccgatatttg cgaaagaagg aaaggggtgg tccaaggtgg 230

<210> 18346
<211> 239
<212> DNA
<213> Aspergillus nidulans

<400> 18346

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atggcctgta tctgattaga ggcgataatg tggttgtatg cggatgaagt gatgaagcaa 180
ttgaccaaga tatcgactgg accaaagtaa aaggagaggt agtgcgagga acgaaaaat 239

<210> 18347
<211> 240
<212> DNA
<213> Aspergillus nidulans

<400> 18347

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gggaggatgg gcaggcccag tgggagagga tgctgtatgt gctgctgccg gcgaaaacag 180
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<210> 18348
<211> 243
<212> DNA
<213> Aspergillus nidulans

<400> 18348

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gcaaggagtg tggacatcgt gttttatata aggagcggac gaagcggatg gtttttcttc 180
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cga 243

<210> 18349
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18349

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<210> 18350
 <211> 246
 <212> DNA
 <213> Aspergillus nidulans

<400> 18350

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 ggacgtatcg cccaaatcat tgggtccgta ctggatgtag ccttcccccc gggcaaatg 120
 cctaataattt acaatgctct ggtgggtaag ggtcgagata ctcttggtca agaaattaat 180
 gtgacttggtg aagtacagca attattagga aataatcgag ttagagctgt agctatgagt 240
 gcgaca 246

<210> 18351
 <211> 250
 <212> DNA
 <213> Aspergillus nidulans

<400> 18351

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 tggagacaga gaatctgatg gagaggagaa tagagaagac gatggtgata tagcgtctga 180
 tggagacatc aatctagaag acgatggaga cagagatgaa agtcaaaaga agaggacgag 240
 agaagagaaa 250

<210> 18352
 <211> 256
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 18352

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 actcccaccg gggagggtcac aaagagcgtc cccccgctc gcttttctcc ggacgacaag 120
 tattctcggg aagctcccga ctgagcaaga actcgattgt acttgtgttt ctgagaagg 180
 gctaacagtt atttaaaaaa agtcaccgtg ttacgtgaa gaagagatat ggccttctgc 240
 ttaccagca ggctgg 256

<210> 18353
 <211> 261
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 18353

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 ccggtttatc cgtcgggact ctctatctgt tttcttctc ccgattgcgc agcggccaaa 120
 catacggcga ggagatcggc cttctcgcgt ctgttggtgc gggcggtgca tcgattccga 180
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<210> 18354
 <211> 270
 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 18354

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 gggaagcaga tgtacgtgtc aagctttgaa cacctttgat agcatgctta ccgtttctcc 180
 ttgctccgta gggccgatga caagaccgcc caagactaca acctcgaagg tggagcgaca 240
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<210> 18355
 <211> 273
 <212> DNA
 <213> Aspergillus nidulans
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 <400> 18355
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 ttcttgaggg tatttgggaa gataaaggcc gac 273

<210> 18356
 <211> 278
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18356
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 gacccccacg cctgcctact cgtcggggca tcgtttctac cccgacggcg aggtatgggt 180
 aacacgcttg agcgccatcc attttcaggg ctagtTcatt cggcccgtga gttgttacac 240
 actccttagc ggattccgac ttccatggcc accgtcgg 278

<210> 18357
 <211> 279
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18357
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 caatatactt ttaatgtcga atcaggatca actaggacag aaataaagca ttgggtcgaa 120
 ctcttctttg gtgtcaaggt aatagctatg aatagtcac gactccccgg aaaggTtaaa 180
 agaatgggac ctattctggg acatacaatg cattacagac gtatgatcat tacgcttcaa 240
 ccgggttatt ctattccacc tcttagaaag aaaagaact 279

<210> 18358
 <211> 283
 <212> DNA
 <213> Aspergillus nidulans

<400> 18358

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 ggtatcatga ccgacggcga ctgcggaagg accgttacta tcaagtacgg cggcaagacc 180
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<210> 18359
 <211> 286
 <212> DNA
 <213> Aspergillus nidulans

<400> 18359

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 cgctcgactc aggtcggggc gccgatttag ctgctatata agtctcgggc tccggtgcag 240
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<210> 18360
 <211> 288
 <212> DNA
 <213> Aspergillus nidulans

<400> 18360

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 gttgctccgg tcgttggaata gttcagtgag acatataccg gcgtcaagtt ccttcagggtt 180
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<210> 18361
 <211> 300
 <212> DNA
 <213> Aspergillus nidulans

<400> 18361

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 atttgagct ggggtctcagc agagcagctc tgcaggggga ctgtttggta gcagtgctaa 240
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<210> 18362
 <211> 301
 <212> DNA
 <213> Aspergillus nidulans

<400> 18362

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 tggtcgcat ctgcgacgaa tgctccttcg gcaactacca gaacaagtgt atcgtttgtg 180
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 gagacggatg tccgaagatt ataaacttgg gaagttcgag gacggattta ttttatcaaa 300
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<210> 18363
 <211> 304
 <212> DNA
 <213> Aspergillus nidulans

<400> 18363

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atggtcatga cacacgttga cttgattgaa aagcttctgc ggtaagcatc tcgagttatt 300
aggt 304

<210> 18364
<211> 305
<212> DNA
<213> Aspergillus nidulans

<400> 18364

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caaggacgcc ttgctgaagc taaggagctt gaacggcaaa tagaggatgc tcgtatatgg 180
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gtccc 305

<210> 18365
<211> 308
<212> DNA
<213> Aspergillus nidulans

<400> 18365

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acaggtatct gagggcctag tcaactgtcaa tgacccggca acaagctggg tagctcgctg 180
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tacggctg 308

<210> 18366
<211> 308
<212> DNA
<213> Aspergillus nidulans

<400> 18366

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 gcatcaagcg caaccgcaag acccagcaga tcaagttcaa ggtccgctgc agccgcttcg 240
 tctacaccct tgttctgaag gactccgaca aggccgacaa gctcaagcag agcctgcctc 300
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<210> 18367
 <211> 312
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18367

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 gctggagaag gaagaaattg accaggaact ggcgcgcatg cggagggttg atgccttgaa 240
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<210> 18368
 <211> 313
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18368

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 atgcgtaatt cacttcgcgc atccagaatt tgtgcgctgc gccaccatgg ataaccatat 120
 ccgggcactt gcggcgcgac atcaggatgt tcggttcgca aggggttgacg tgcgcgaaac 180
 gccctttgtc gtcgagaagt tgaaaatcag aatcctcccc tgcgtaattg ggtttttgga 240
 tggagtggcc gtggagagag ttcttggtt ccaagggttg ggaccagggg gaactgctgg 300
 actggaagga ttt 313

<210> 18369
 <211> 314
 <212> DNA

<213> Aspergillus nidulans

<400> 18369

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aaatcatcaa tcgttccaac taatctaccg aagtactcgg ctaagaagaa agaagacgga 120
cgaatccgag ccaaagccgt acaagcgcgga gataccttcg ggacagccta ggcggatcca 180
tgctttccaa cgaagcacgc ccatccaacc taggcgagac aagggttcac atttcgttca 240
tcacccttgg ccggctttcg aacagccgga ctcccatcaa aagatgggtg ccaagaacat 300
cttcgttacg gttt 314

<210> 18370

<211> 315

<212> DNA

<213> Aspergillus nidulans

<400> 18370

aacccccaaa ggccgtcgtc accggtacaa acctggtacc gttgccctca aagaaatccg 60
caagtaccaa cgctcctacg atctgcttct ccgaaaattg ccatttgac gtctcgctccg 120
cgaagttgct ctcgacatcc tccccgcaga cgttggctcc gagctcgat ggcagtcgca 180
tgcaatccag gcgctccagg aagccgctga agcctttttg gtacacttgt tcgaggacac 240
gaatctttgc gccatccacg cgaaacgagt tacgataatg cagaaggata tccacgttgc 300
gcgtaggatt cgcgg 315

<210> 18371

<211> 315

<212> DNA

<213> Aspergillus nidulans

<400> 18371

caggaacttg cataaacacc atcgaaccga cctgctatac cgactacacc ccgcaagagg 60
aagttgtcga ctacctcaa aaagccgtcg acctgttcaa gacgctggac acctacaaag 120
ctcttgctgc cgcaaacatc accccttcct ctagtgcaac ttacacgcta gacgaaatcc 180
actccgccct ctacagacatt cacgatggct ttgcgccgta tggtggctgt gatggcgaca 240
atctgaacga ggcctggtac ttctactatg tccggggtaa cttgattacg ggagattttg 300

accctgctga gaagc

315

<210> 18372
<211> 315
<212> DNA
<213> Aspergillus nidulans

<400> 18372

gcaccttgct ctgccctgac tgggattttg gtgtcagacc ctgttgtaat gccacgagtg 60
ggctaacgat tttcctccgc cctgctggg tgggccagat cgattaacag aaggttcatg 120
ggatgaagta catcgagtca taggtcaggc gcacacttta ttgcatcaac aaggcattgt 180
gaggatccaa actgatattc gcgtcgggtc aaggtttggt tttctcgcag tggtcgcagg 240
accactcgt ctgtgtgtta ccagcagtaa ccgggctaac gtcatgtcca attcaggacc 300
gacaaggtgc agtcg 315

<210> 18373
<211> 317
<212> DNA
<213> Aspergillus nidulans

<400> 18373

tcacatggaa cttttcccca cttcagtcct caaagttctc atttgagtat ttgtactac 60
caccaagatc tgcactaggg gccgttcgac ccgggctcac gcccaaggct tcgtcacgga 120
ccccacgcc tgctactcg tcggggcacc gtttctaccc cgacggcgag gtatgggtaa 180
cacgcttgag cgccatccat tttcagggt agttcattcg gcccgtagt tgttacacac 240
tccttagcgg attccgactt ccattggccac cgtcgggctg tctagatgaa ctaacacctt 300
ttgtggtgct tgatgag 317

<210> 18374
<211> 317
<212> DNA
<213> Aspergillus nidulans

<400> 18374

gcttgctcct agctctgtca aaataatcag accatgctga ccgagcacga tcagcacct 60
aaataatccc cgcgtctcta acgaagccaa ggagcacgct caatcggtcc tagacaacga 120

gcttggcggc gaccagcctc atgaagacat tttgacagcc cagggcgctc gcaacaagtc 180
 cccaaaccgc gtagccgggg gctacaaagc gtatgtttca ttgctttaat ctatactatt 240
 tctattcgcg gtgtctgact gattgtgcag ggcgatgcac aacgactcca tctcgaagca 300
 ggggaaaaag caggcgc 317

<210> 18375
 <211> 317
 <212> DNA
 <213> Aspergillus nidulans

<400> 18375

tcacatggaa cctttcccca cttcagtcct caaagttctc atttgagtat ttgctactac 60
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 cccccacgcc tgctactcgc tcggggcacc gtttctaccc cgacggcgag gtatgggtaa 180
 cagccttgag cgccatccat tttcagggt agttcattcg gcccgtagt tgttacacac 240
 tccttagcgg attccgactt ccatggccac cgtcgggctg tctagatgaa ctaacacctt 300
 ttgtggtgtc tgatgag 317

<210> 18376
 <211> 318
 <212> DNA
 <213> Aspergillus nidulans

<400> 18376

ctccatatac tacaattcag cgcgacagct cttaactcta taatagttgc aaagcacaat 60
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 acaggacttt ggctttatca atgctgacca ttacactgtc aggtcactga tttcctctca 180
 gagcaccctg gtggttccaa gataattctc aagctctcgg gtcaggacgc tactgaagaa 240
 tacgatccca ttcacctctc gggaattctg gaggagaatc tcaaaccaga ggctttctta 300
 gggaccgtgg actccgcc 318

<210> 18377
 <211> 321
 <212> DNA
 <213> Aspergillus nidulans

<400> 18377

caaccgaaca atcgaactat tgtcctttat acaatgtttc ctacagcacg cctactccaa 60
gcccgcgtca cgctcttcac ccgtgccggc tgcggactct gcgacaccgc aaaacacacc 120
gtgacccagc tgcataagcg ccggcccttc gactactctg aggttgacat tatggctcca 180
ggcaataagg aatggaaaga tgtgtacgaa ctgatgtcc cagtcttaca cgtgcagtct 240
ggcaccgggg cactctccga cccgaagaaa ttgttccatc ggtggaccga gcaggaggtt 300
gagacgcttg tcgacaacgc c 321

<210> 18378

<211> 323

<212> DNA

<213> *Aspergillus nidulans*

<400> 18378

tggtaacacc atcaggtaaa tatagtccga cctagtttcc agaagcctac aaccgtcttt 60
tccgaccagt gtgcagaaga ggaggaaatg tatatatggg ggtgtgtgtg tgtgtgtgtg 120
tgcgcgtgtg gtcagaaaga atgctagtat atcaacgaaa cggctctttat agactcttca 180
tcgctaccag atcagacact ggattacgca cgcacaattg tcgcagcaaa ccgatacgcg 240
agtcaataaa ggaaaccac gactaacatt gtcttttttt tagatacaac gctaagcgac 300
gacactggcg caagaccgt ctc 323

<210> 18379

<211> 324

<212> DNA

<213> *Aspergillus nidulans*

<400> 18379

cgctcttctt tgctttccca ttctattctc atggcacaaa cttactaatt ccgcagtaaa 60
ctggtaccgc acccgcaaga ttaactatga cgacgagctc tctctacaga aaggaacaat 120
tgacatccca gtctctttta ttcaagcact taaagatgct gccctcccg cgcacttggg 180
caagggaatg gggaaggcca taccgcagct gacgacaaag caggttaatg cctcgactg 240
ggcgctctgg gaaaagccgg cagagggttaa tcaggcttta gaggcttggg tcaacgaggt 300
tgttgaaggg ggtagcaggg tggc 324

<210> 18380
 <211> 325
 <212> DNA
 <213> Aspergillus nidulans

<400> 18380

gctctttttc aggtacgttg gcctccaata aaccatatga attttctagc attattaata 60
 atcctccgat tcagcttttt caagacccta acgaaccaag tcgtgacaat agagctcaag 120
 aatgatatcc gtatccgagg gacgtcaag tccgtcgacc agtacctgaa cattaaactc 180
 gacgatatcg acgttctaga cctcgataaa tatccacatc tcagctccgt caagaacatg 240
 tttattcgag ggagtgtagt gcggtatgtg gttttgccgc ggtcggaagt tgatgtgggt 300
 ttgttggagg atgcgacgcg gagag 325

<210> 18381
 <211> 329
 <212> DNA
 <213> Aspergillus nidulans

<400> 18381

tggtcgcaag gcccagaagg tcacgcagaa gttcatcatc aacgcttctc agcccgccaa 60
 cgacaagatc ttcatgtct cggcctttga gaagttcctg cacgaccgca tcaagggtga 120
 gggccgcgtt ggaaacctcg gcgacaaggt cgttatctcc caggttggcg atggcaaggt 180
 cgaggttgtc gctcacatcc ccttctccgg tcgctacctt aagtacctgt aagttctaac 240
 tgctgaatga ttctgcacgt cttgtataag actaacgggc gcgtttgtat tcaggaccaa 300
 gaagtacctc aagaagcagc agctccgtg 329

<210> 18382
 <211> 329
 <212> DNA
 <213> Aspergillus nidulans

<400> 18382

ttatgtcatt gtaattctgg ttacaggcg ttgtaacagg tccaatgccg ggtcttctca 60
 caaaacttca accctgatag gctacggcta gggaataagg tgctacgcca aaggttacga 120
 ggaccagcac tggcagcatg gtatcctaag aaaacagtct catttcgaga tttgcgaacg 180

acgtgcaact ccctgggtct gacgactttt gatgaagccg aagacgacag agaagaggcc 240
 attcagatgt gagttttgct ctgcccgtgg taaggatat tttgcttata tataatacag 300
 tgccaaactg cgtggaaagg gaagaccaa 329

<210> 18383
 <211> 331
 <212> DNA
 <213> Aspergillus nidulans

<400> 18383

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 gaatagggct ggaccgtgtc ccgcgtcct cgctgaagcc cgaacaggcg tgtccgattt 120
 gcagcaatcc gtttttagac gacaagtacc cactcgttgt gcggttaccg tgccaccgga 180
 cgcatttgtt tgacttggag tgtgtgcggc cttggttgag actcaggggg acgtgtccgc 240
 ttgaccggac ggatttcgcg aagcaggaga gggacaagat tgaggagcgc aagagaatag 300
 ctgaacagga tgacgaggaa gagtgggatg g 331

<210> 18384
 <211> 333
 <212> DNA
 <213> Aspergillus nidulans

<400> 18384

cccaaacc atggcacgtc gcgcaacatg tacactttgt atgaaatcgt ctgccgcacc 60
 aacatcccag cttcaagct gaaacactcg gtcgtgcgcc gccgtactc ggactttgaa 120
 tacttccgcg acatactaga gcgcgagagc acaagagtca cgattcccc gctcccagga 180
 aaggtgttca caaacgggtt cagcgatgat gtgattgagc accgtcgaga aggtctgcag 240
 cggtttctgc agattgtcgc tggacacccg cttctgcaga cagggagcaa ggtgcttgct 300
 agttttatac aaggtagtt gcattctact ccg 333

<210> 18385
 <211> 338
 <212> DNA
 <213> Aspergillus nidulans

<400> 18385

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acctcttcaa cttcgtcaga ctccccgcta attctctaca agccatcgac gacgctctgg 120
agcgttctgc gtgggtgcggc aattaaccta tttctccctt tcgtgaatgg cttgatgctg 180
ggatttggtg agctatttgc acatgaagcc gcgttcaggc taggggtggc tgggacaaag 240
gtatgcctta gtcttctctt attacccttc gctcaagctg atcctgtttg ctttagatct 300
ttcccacgta tcggcgatct cggcctgtag ctgctggg 338

<210> 18386
<211> 339
<212> DNA
<213> Aspergillus nidulans
<400> 18386

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aaatgatcac agacatgttc aaccggttcg tcagacctta ccatgtcaac gtctggcaat 120
tatatcgccc gccattcatg ttttctccag ttaacataat tctgtcctag attatcgga 180
tcttgctcga agaagtgcac cccaacgac taccgcgagg gcgatctgaa caagggcgag 240
tccgtctgcc ttgaccgctg tgcggcaag ttcttcgagg tcaacatcaa ggtcagcgaa 300
aagatgcagg gtgttgctgg tcagcagcag ggtgggtgcg 339

<210> 18387
<211> 340
<212> DNA
<213> Aspergillus nidulans
<400> 18387

gcgactacct gcagcgctg tacggcgtcg gcgtcctcag catacgagc tacgtcgagc 60
aacaaaaggt cacacggctc cgaccaatgg gtcgatacgg ttacggaaaa ctacgacgtc 120
cccgtcgcg gaagaggatg actgttgaga tgaaggagcc gtttgtctgg ccggacgcgc 180
ctgaagatat ggagaagtat gtccctttgc catgtccctt ctccatatga attggccaag 240
gttcagtgtc aacagctagc aggggtgggaa aaggaccagt tcttcaaagc gaggaagtac 300
caggataaga tccaggaggc gcagaagccc gatgcgccta 340

<210> 18388

<211> 341
 <212> DNA
 <213> Aspergillus nidulans

 <400> 18388

 ggacccgtcc gccttttttg gcgagataat tggagctcca gtaactgtca aattgaattc 60
 tgggtgctga taaaaagggtc actctcgagg ttatcattag caaacacgca gtcgctaaca 120
 aatatgctca ggcgaaactcc aatcggtaga tggttatatg aacattgcgc tggaaaagtc 180
 ccaggaatgt gttagcgggc agttgacacg cagttatgga gacgccttta tccgcggaaa 240
 caatggtata tgctcctttc tcggtgtaat tagatataat ttggtctgac tgctctatga 300
 aattcatagt tttgtacatt gccgcgaatt gaaactcgaa g 341

<210> 18389
 <211> 342
 <212> DNA
 <213> Aspergillus nidulans

 <400> 18389

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 accccagcag ttccaatcgc aacgctcgta ttaaaaacat acaatcccga agctgggata 120
 tgtttgaaat accggacaaa taaagccgct gaggtggggc ggctgattac agcgtggga 180
 ttgttggtg ggggtgcaga catggcgagc ttggatggac cagtttctgc tacgattaca 240
 gggggcgatg tggagatggg gggtagcaac ggtgttggtg aggaagtgtg ggctacggca 300
 gcgagtacag gtgcgaatac ggggtgcaggt gttgggaaag ga 342

<210> 18390
 <211> 344
 <212> DNA
 <213> Aspergillus nidulans

 <400> 18390

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 ggccaggcta aagcctctcc cgaggacatc gagaagcttt cgtctctcct cgacatcgac 120
 catgagaccc taaaagcaca gctctccggc ttccccgacc gcggccgttc ggttgagatg 180
 ccgccaaagg agcctctcat ctaccgtctt tacgaaatcg tgcagaacta cgggtatgag 240

tataagccgg tactgaatga gaagtttggc gatggaatca tgagtgcgat ctcgttttcg 300
 actaaggttg agaaggaaac agatgagcag gggaacaact gggc 344

<210> 18391
 <211> 346
 <212> DNA
 <213> Aspergillus nidulans

<400> 18391

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 gaaccccaat gtcagcgagg tcctcgacgt cgggtgtcaac tcgacctccg acaagactgc 120
 ctaccctcac cctgccgtcg agggagccaa gtcacatccgg gacggcaagg ctgaccgcgg 180
 cctcttcacg tcgggcaactg gtctgggtgt tgccatctcc gccacaaaag tccccggcat 240
 tcgcgccgtc actgcccacg actctttctc tgtcgagcgt gccatctca gcaacgacgc 300
 ccaggtgctc tgcttcggcc agcgcgtgat cggctctgag ctggcc 346

<210> 18392
 <211> 348
 <212> DNA
 <213> Aspergillus nidulans

<400> 18392

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 ctcccaacgt cacaggtgcc gtcacgtctg ttattctcgc attcagctct gatgctgtca 120
 agctccgctc cccatttata gtctcgggt tcctattcac cttaccgggc ttcacgatct 180
 acgtttccat ctacagcgtc caggcccaga tcaagctggc ctacttcgcc accttcacga 240
 tgacctgggg cacatcagcg ccgtccgtcc tactcagcac ctggtataac aacaatattg 300
 cgcacgaggg ccgtcgcgtc ctgctaacat ctatcggcgt gccgcttg 348

<210> 18393
 <211> 348
 <212> DNA
 <213> Aspergillus nidulans

<400> 18393

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gctctttatc tcaactcggtc gcgatggcta ccacttcttc ccgtccctga ctatatatac 120
gatcgtctac cagccagttt caccgacgac atagcggcgg gactcacgtc gtctgaattt 180
gacctctcaa cgaatattga gcatggggat caacggggccg gattggatgc cttcggcaag 240
cgcgaagttc tgaatatcat gagacgcaa aaggttgatt ttaatgaagc tcgacggatt 300
tatacagagc agcggtttgc caagaacaat attggccctg acggcccg 348

<210> 18394
<211> 349
<212> DNA
<213> Aspergillus nidulans

<400> 18394

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aagtgacctt acccgctcaa ttagaaaatg gcactaggcc gaatatctcc tatctactcc 120
aatactggt cgataatgtg atgaaggatc ggagaaagga actttttgtg cttgaggata 180
atgtgtatgt gctatgcaaa atatagtaat gggcttagct gactgtcact gcagacgacc 240
cgggatcctg gtacttatca acgatgcaga ctgggagcta gagggtgagg agaaatacga 300
gattcagcaa ggggataata tagtattcgt ttctacgtg catggggga 349

<210> 18395
<211> 350
<212> DNA
<213> Aspergillus nidulans

<400> 18395

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aactgtgaca actggatgaa ttttaatactc agagaggtcg tccaaacgag ccccgaggga 120
gaccgttttt tcaagctgcc tgaagtctat gtccgcggga acaacgtacg ttttgcgccg 180
ccgcagaata tcatctaata taaccacgaa gctctttcca gatcaaata ctgcgaattc 240
cagaagaaat catcgatatg gttaaggaac agcagcaaaa ccagtctcag aatcgcaacc 300
gcgggcctcg cgatggtgga cggggcgacc ggggaggtcg tgggtgggcg 350

<210> 18396
<211> 351
<212> DNA

<213> Aspergillus nidulans

<400> 18396

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gaggtagcag atcggattat ggaaattcgc aagatgggtcg agaattgggga gttcgatggc 120
atcagacaga tgtgggagga atgggagagg aaggcggcga agaaggggcga tgctgttgcg 180
gcgtttaaga ggggggagga tcaggacggt gagacggacg atgatgagga ggatgggtgag 240
gaggacgagg agatggggga ggctccagct ttagtgagtg ctccgaggga gcgagttgag 300
cctgaagttg atgaagatgg gtttacgaag gtggttgagg agaagaggcg g 351

<210> 18397

<211> 353

<212> DNA

<213> Aspergillus nidulans

<400> 18397

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cagcacctac actgaggttg ggagactgac cgaagcagaa gaactggggc tacaggttgt 120
agagatcagc aagcgtgtgc tcgggccaga acattcagat acattaggca gtatcgccct 180
cctttcttca atctacaaaa agcttggaat tctaaacaaa gcagaggagt ttggaggggc 240
gggtggtggag gccagcaacc gtgttcttgg gcctgaacac cctgaaactt tgatccgcac 300
gcaaaatctg gcgtggagct atggctcagc gaagcagaag aattccaacg gca 353

<210> 18398

<211> 355

<212> DNA

<213> Aspergillus nidulans

<400> 18398

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tttttttctt gatctccgtt aggttatatt cgagtttggg gactgggcta acttcaatac 180
agaaagttaa ccagaactgc ttcgagaact gtatcacagc ccccggtcc tcattgtccg 240
ccagcgaatc gacttgcttg tctagctgta tggagaagta catccagttc tggaacgccg 300

ccagcaaggc gtatattgct cgcgcgacta cgcagactgt cgcggcgaat gcgat 355

<210> 18399
<211> 356
<212> DNA
<213> Aspergillus nidulans

<400> 18399

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aactccttca gcaacgttca acagtctcta tctggttata tgagcagctt gcattccgaa 120
ttgaagggaa gattagagta agattacttc gttgcgagg atactgcaat gactgacggg 180
aaggctaggg gtttgacgag ttcattgaacc tggatcatga cgacgccgtg gaggttaggc 240
tgccacaaaa aagcgaggaa gaaaagaggc ggccattggg tatgggaata tctattgcca 300
ctacttttct ggctcagtac tgatcgtgcc ttaaatacag gtcaaatact gctcaa 356

<210> 18400
<211> 359
<212> DNA
<213> Aspergillus nidulans

<400> 18400

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accaagctgt tggcgatgct ctgagcgact tgctcctcgt cgaagccatt ctgcacaca 120
agggttgagc tcccacagag tggctggcca cctacacaga cctcccttca aggcttggtc 180
gggtggaggt cgctgaccgc tcaattttca aagcctacga tgccgagcgt aagcttgagt 240
ctccccctgg cctccaagcc aagattgagt ccctgcaatc ccgctacaac aaaggccgaa 300
gctttgcacg cgcaagcggg acggaagatg ccgtgcgtgt gtatgccgag gccgcgagt 359

<210> 18401
<211> 361
<212> DNA
<213> Aspergillus nidulans

<400> 18401

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atgccagctc gaattcggga cctgcaatga cgccagcgtg cagacgggtc gtacaacggg 120

atcgtgcgga gcgaccttga cgagcaatgt cacttgccctg ggcagcgaat acggcgactg 180
 ctgctcgcgc atgggatact gtggagggaa ttccagctac tgcggtgatg gatgccagtc 240
 tgagttcggg agctgcgacc ccagctcctc gacgtcgagt tcgatttcga gctctactgc 300
 gagttcaagt gcgagtgcga atccgaatct tcttgccaat ctgactggaa cggcgatcc 360
 c 361

<210> 18402
 <211> 362
 <212> DNA
 <213> Aspergillus nidulans

<400> 18402

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 agggttcgaa gactggaaat tgcgacgaga aggactaccg accgaccgac cgaaagcatt 120
 cgatccgatac acaaatgcac cttccattcc tcaccaaagt aatacatcaa tctcaaattt 180
 ctaatctgaa ggaatactga tgatttcgtc cgtagtcacg acgtccgcaa gtcgatcgcc 240
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<210> 18403
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<400> 18403

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<400> 18404

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<210> 18405
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<400> 18405

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<210> 18406
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 <213> Aspergillus nidulans

<400> 18406

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gctgactgtg ccgtacaggt cgatgaggaa aagaacccca tgaactacac acagaccttc 300
cagcttatgc ctgatgggtg tggaagctac ttcgtcctca acgatgtctt ccgtttgatc 360
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<210> 18407
<211> 376
<212> DNA
<213> Aspergillus nidulans

<400> 18407

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<210> 18408
<211> 377
<212> DNA
<213> Aspergillus nidulans

<400> 18408

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ttccacgaca caagcctctt ccgacacca agcctccac caagtgggag ctgttcgctc 180
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<210> 18409
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18409

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<210> 18410
 <211> 382
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<400> 18410

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<210> 18411
 <211> 386
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 <213> Aspergillus nidulans

<400> 18411

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gacgcagggt ggacgggagc agtgcg 386

<210> 18412
<211> 387
<212> DNA
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<210> 18413
<211> 388
<212> DNA
<213> *Aspergillus nidulans*

<400> 18413
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gctgcaactg gccgctgaca aggggctaag aggctgggtg gaagaactgc aaattggcag 300

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<210> 18414
 <211> 390
 <212> DNA
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 <400> 18414

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<210> 18415
 <211> 390
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18415

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<210> 18416
 <211> 390
 <212> DNA
 <213> Aspergillus nidulans

<400> 18416

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<210> 18417

<211> 391

<212> DNA

<213> *Aspergillus nidulans*

<400> 18417

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acaactaccc tgaaaaagct catggatgca ttctgtgacc gtcaaggga acagccgtca 180
acagttcggt tccttttcga tggaaacgcgc gtacgcccag aagatacacc agacacggta 240
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ggttaattct gctaacatgc ttgtctacac cctagctcga catggccgat ggtgataccc 360
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<210> 18418

<211> 394

<212> DNA

<213> *Aspergillus nidulans*

<400> 18418

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gattgggagg cgctgcatag aatgggcact gaagtatgca gcaccattgt cactattgta 180
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<210> 18419
 <211> 394
 <212> DNA
 <213> Aspergillus nidulans

<400> 18419

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<210> 18420
 <211> 395
 <212> DNA
 <213> Aspergillus nidulans

<400> 18420

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<210> 18421
 <211> 397
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<213> Aspergillus nidulans

<400> 18421

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gagagagagg caaccgcaca gctcttcaag gacaaggctg ccttgagaaa acagctgaag 180
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ataagattcc tccacaaaag aatcaaagag gtaagcaagc gacttatgct agtcccagag 300
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<210> 18422

<211> 398

<212> DNA

<213> Aspergillus nidulans

<400> 18422

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<210> 18423

<211> 400

<212> DNA

<213> Aspergillus nidulans

<400> 18423

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catcttcaca tttaacaaag aagaccacac gctcggaaac ttgattcggt cccgtctgct 180
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 aatcaggttc ctcatccgct ggtacctaaa tttatccttc gtgtgcaaac ggatggagat 360
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<210> 18424
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 <212> DNA
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<400> 18424

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<210> 18425
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 <213> *Aspergillus nidulans*

<400> 18425

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<210> 18426

<211> 401
 <212> DNA
 <213> Aspergillus nidulans

<400> 18426

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<210> 18427
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18427

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<210> 18428
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 <213> Aspergillus nidulans

<400> 18428

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gttgaggaag cgcaacttct ccgagaccgg taacttcggc ttcggtatca gcgagcacat 180
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<210> 18429
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 <213> *Aspergillus nidulans*

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<210> 18430
 <211> 406
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 <213> *Aspergillus nidulans*

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<210> 18431
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 <213> Aspergillus nidulans

<400> 18431

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<210> 18432
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 <213> Aspergillus nidulans

<400> 18432

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cccctcccca tcatcctgca cctgccgctc ctctgtgagg acaagaacgt accctacgtc   300
tacgtgcccc gcaagcttgc cctgggtcgt gcgaccggtg tttcccgccc cgttattgcg   360
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<210> 18433
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 <213> Aspergillus nidulans

<400> 18433

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 aatgatggcc gggcactact atcagtggca gaattaaatg ggcacgaggc tgtgggtcaag 240
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 tcatgggcag catcaaatag atatgaggaa gcaagcaagc tactccttca gaatgggtgca 360
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18434
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 ttctctcggt tccggcaagg ccaatgctca gagactcttc atgggagggg agctcaagat 360
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<210> 18435
 <211> 415
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18435
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 ggactctggc tccaaggctc accccttctc ctacgccatt gtcgccggta tcgagcgcta 300
 cccctcaag gtcacccgcc gcatgggtaa gaagaccgtc gagaagcgca gccgcatcaa 360

gcccttcacac aaggtcgtca actacaacca cctgatgccc acccggtaca ctctc 415

<210> 18436
<211> 417
<212> DNA
<213> Aspergillus nidulans

<400> 18436
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gatggattag tgacgcccac gcctcccggt acccggtgccc tgaatgagac agtgcagaag 240
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actacgttgg ccaaattctt cgtcgtgat gggggcaaga gcattcgcaa gctcttggag 360
ccaacaagcg aaccattctg tccggagatg aaggcatagc aggatgcggc ggaactc 417

<210> 18437
<211> 418
<212> DNA
<213> Aspergillus nidulans

<400> 18437
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agccctgctc aagaacccca aggttctcat gatggatgaa gccaccgctt ccattgacta 180
cacaaccgat gccaagatcc aagagactct tcgtgagctt cgtgacaaca cgatcatcac 240
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ccgggttggt gaatttgacc acccctggac gctagtcaac aaggaaggcg ggattttccg 360
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<210> 18438
<211> 420
<212> DNA
<213> Aspergillus nidulans

<400> 18438

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 gtccactgac ccctactgca aggccagcaa gagcctcctg agcgaactgg gcgccaata 180
 ctacgcgctt gagctggata ccacgggtac gttgcgttta cctggctccg ttattgttgt 240
 aacttagatg ggtaactgtg aaccgctgct aacgactttt tttcatagat gacggagctg 300
 acctccagaa cgcccttgag gaaatcagcg gccagcgcac cgttcccaac atctacattg 360
 ccaaaaagca cattggtgga aactcggacc tccagggtat caagaaggat ctgcccgcgc 420

<210> 18439
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18439
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 gttcagcaac ttataggata acacacaggc ctaatgcgaa gagagtcgtc tccccgcgg 180
 atagagactt gctagaacaa tatggtgccg ccgtggtgga gtgttcctgg gtgaggggtga 240
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 aacacagtca actacggaaa gccatggcga ttaaactgcg tcgaagccct agccgcttgc 420

<210> 18440
 <211> 421
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18440
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 cgaagcgcaa caacgtcaag cgtgaggaca tctccagtct caaggctcgt acgtatggag 180
 ggctagccgg tgaggctcta tggttgtcta gctaccgat ggacgtgggtg aagagcaaaa 240
 tgcaaagcga tgggttcggt gcgcagcagc aattcaagag catgaccgac tgctttaaga 300

aaacgtatgc ggcagagga ctcgcgggct tctggaagg cattgggccg accctactca 360
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<210> 18441
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans

<400> 18441

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 tctatgttcg gcgtggccct gatcgggttc gcggcgacgg agttctccta cacactgagt 180
 gggtagcttg cagacgcata tacagtttat gctggctctg cgatggctgc gagttcgggtg 240
 ctcaaagcca ttgcgtcggg gtgtctaccg ctgttcgcgt acccgatgta ttcgggcctc 300
 gggtcgaatg tcgccacaag tataattgcg gcgcttggga cagtgtactg cattacgcca 360
 tgggtggttg tcaagtatgg gctaaggctg agggaaaaga gtccgtttgc aaggtatagt 420
 gcg 423

<210> 18442
 <211> 423
 <212> DNA
 <213> Aspergillus nidulans

<400> 18442

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 ctgcttttct acgactaagg atatgaacaa acagttctgc ccacgatgtg gcggagatac 300
 tctcacgcgt gtatcctgca caaccgattc tagcgggcag ttcaagatgc atttgaagaa 360
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 cgc 423

<210> 18443
 <211> 424
 <212> DNA
 <213> Aspergillus nidulans

<400> 18443

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gaacatgact cctccgtaag cgcacccgcc atggcatgtc agtcgtcaac atcaaccatc 180
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ccgtgtccgc aacgcgaaca agaaggaaat cgccctggcc ggtgttaccg ctgcggaggt 360
catcggattc tttacagtcg gagagatcat cggtcgtttc aacatcgttg gctaccgggg 420
tgag 424
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<210> 18444
 <211> 424
 <212> DNA
 <213> Aspergillus nidulans

<400> 18444

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gcccgtgatt tcagagggcg gcgcgggtgt gcacggtttt gaaggcattg caccgggttt 180
cgtgccaccg catttggtc gagagatgta tgatgaggcg tgggggatcg acgaggcgag 240
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ctgggctgaa tgtcgttgct gctgtgagat tggcaaagga gctaggccgg ggaagacggt 360
ggtcactatt gcttgcgatt ccgggttgaa gtatttgaac ggggatcttt tggcggatag 420
ttag 424
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<210> 18445
 <211> 425
 <212> DNA
 <213> Aspergillus nidulans

<400> 18445

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taaggagat atcgaaacac tcaagctttg gctctcagac gctcagttcc acgtttatga 120

agctctcaca aaacagatca ccacagcagg tctgaagtcg gatggtcgta tccttgatat 180

ccgcggagtt gatgtcatga gcgcccgtat gctggacccc ggtgatatacc ccgttttcgt 240

ggttatgtgt cgcacgcaag aagtccatgt ttacagaaac gtcaaaacaa atgagctcgc 300

cgctgggatg gaggacaagg ttcagttggg taactatgtc atgggtctca cccgaatccc 360

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tcggg 425

<210> 18446

<211> 425

<212> DNA

<213> *Aspergillus nidulans*

<400> 18446

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ccccccaccg cctcagctac ctattcgacg tagttctacg gctgatagtc gggccagtat 120

tcctcaccca cgtcaggctg gtgaggacgt tgaaggcgag gtcaccgaat atgatggtga 180

ttatgatacc gacatcgctt ccggtgccaa gttcaaggat gcattgaaag cacatggtcg 240

ggactctagc attgatgaag gaactgccac cgacgatcaa tctcttcagt cgctcgcag 300

tccgccagag aaccgtccac caccaccgcc tctttctgct ccagagggg ttccgcctcc 360

tccacctct caaccaccaa aaagtccgg ttctggcaga gcttctatag atgcgccag 420

ggcgc 425

<210> 18447

<211> 426

<212> DNA

<213> *Aspergillus nidulans*

<400> 18447

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cccacacatc caccctctct acgacaaccc tcacaccatc ccccgccgta aacccccacca 180
 cgacataccc gaaccctcat cttccggtaa cgggtctcga aacgcttgaa acggacaagt 240
 tccgattgac gtgttttcaa acgctcactg ggacgaagtt cctactattc acagacccgc 300
 ttatggataa tgtggatatg gtcataaggg ggatatatga gctctatgcg gactatgtga 360
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<210> 18448
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18448

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 gcctgtcagg ccacgttctt tgcgtggtgt aacgatgcga tgcgctacaa ggacgagcgg 240
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 agtatecttt tctactcggc tgatatggcg ccgaagttca cgaaaggcat gtgggcatg 360
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 gaggaga 427

<210> 18449
 <211> 429
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18449

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 caagacaaac ttacctcaa ggtgtgtgat acctcaagag tcaactcctt actcctgcta 180
 ataactacca cagaaaacgc gctaagacag aagatgagaa agagcagcgc cggattgagc 240
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agaagttaga aagcgagaag attgatatgg aacaacaaaa ccagttcctt cttcagcgtc 360
 tcgcccagat ggaggctgag aacaaccgtt taagtcagca agttgctcag ctatccgcgg 420
 aggttcggg 429

<210> 18450
 <211> 430
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18450

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 gttcatgaaa cagggcgatg tcgctccact cgcaacgccc tccgcattgc cgcacaagcc 240
 gaggaaacct ctcgagagac gctcgctcgc cttggtgctc aggggtgagat gatccacaac 300
 acagagaaga acctcgatgt ggccggagtg gaagggcgta tcgcggatga aaaggctcgc 360
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 gctcagcgaa 430

<210> 18451
 <211> 430
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18451

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 gggatataca tcagccagtg aaacggagct ggacacggat gctgaggctg aggtcgcggg 180
 aacgacgaca aggaaggtat tgacgaagcg ggagatgcag cgtatgaaaa caggggagaa 240
 agtcgaaaag aagacaacta ccgccgaagt ggagaaacgg gctgtcaaatt tggtcgaact 300
 gggcccacga atgaggctcc gattgatcaa agttgaggaa ggactgtgtg aagggcgggt 360
 tatgtggcac gactatatcc acaagtccca gcaggaggctc gatgctttgg ataaaacttg 420
 ggatcaaaaa 430

<210> 18452
 <211> 431
 <212> DNA
 <213> Aspergillus nidulans

<400> 18452

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 tgcgacaggg ctaaagggat gtgccgttct tggagatatg gaggctaata ggagtcttga 180
 tgatagggtc tcgcggtggg gtcacccagg tgcgcgtcga gttcatggat gatcagaccc 240
 gttctatcat ccgtaacgtc aagggaaccc gtacgtttat agtgtgatat cgcgacatgc 300
 agagccctcc aatcaaacc atccggcaaa gcgagacatt aaactatgcg aggggagtac 360
 taactaggat cgtttcattc agtccgtgtc gacgacattc tctgcctgct cgagtccgaa 420
 cgtgaggccc g 431

<210> 18453
 <211> 432
 <212> DNA
 <213> Aspergillus nidulans

<400> 18453

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 cagacactac tacagcattg gcatcaacta ccgcaagacg gggcttgagg agaacatgct 180
 aatgaacctg cacaagcaag tctggaccga agcgttgacg atgaatgact ttcacgacga 240
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 acgagtgaag gaggagacgg agctcactaa ggaccagctg aagacaagat atgtcggaag 360
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 taacaaatgc gt 432

<210> 18454
 <211> 433
 <212> DNA
 <213> Aspergillus nidulans

<400> 18454

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<210> 18455

<211> 434

<212> DNA

<213> *Aspergillus nidulans*

<400> 18455

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gacaacatgc cgattgctgc actactctgc cctcccgccg ccgtccgagt caccggcagg 180
ggcagggtgca gaaggccagc cctacctcag cgcgggcgcg cacgtcgact gggacttcct 240
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cgtcactgaa ttcgggattg gagacgaatg gaccaagatc gagccaagga cgggcgagat 360
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caccgggtca gggc 434

<210> 18456

<211> 434

<212> DNA

<213> *Aspergillus nidulans*

<400> 18456

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gccgaagcat acaagcaagc ctctcgggcc tcgaaatatc aacagaagac cgaaaaatct 120

gcccgttggtt cgtcctcctg cggcattcaca ctcgatgagg catgcaagat cctgaacgtt 180
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atggaatggg ttgg 434

<210> 18457
<211> 435
<212> DNA
<213> *Aspergillus nidulans*

<400> 18457
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tttccgttgc tggtcgcac cggcagtttg acatggatgt tgaccagag agatgcctat 420
cttggattgt aaact 435

<210> 18458
<211> 436
<212> DNA
<213> *Aspergillus nidulans*

<400> 18458
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gcgcagcttg atgcggtctg cttaccatag ctttgaaaca gaagaatccc ttttggtaat 180
ccgcggttta ggcattcaaa catccacatc ttctcctact tatctatcca aggctgcgac 240
aaggttcac ccaacgacag aaattcaaga cattgtcata cacgaggctt tcaaggggtt 300

cgaagtgcgc ttctatttgg cgggtgattgt tgtaggggag cctgaggtgg ttgtggtctt 360
 cccggtaaat ctctcgatta tgcgctcctc tacagaaaac gcatgtgctt atgctattat 420
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<210> 18459
 <211> 436
 <212> DNA
 <213> Aspergillus nidulans

<400> 18459
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 ggtctagatg tctacgcgca taatgtcgag actggtgagg ccctaacacc acacgtccgc 180
 gaccgtcgag ctaccttcca gcagtcctc cgtgtgcttg aagctgcaa gaaagccaag 240
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 tgggatgcgc tccgccaact ccgcgctgtc aatggtgatg ttgtgacgtt tggtcagtat 360
 atgcgcccac caaagcgta catggccgtg cacgaatatg ttaccctga ccgatttgaa 420
 ctctggcggc agcgtg 436

<210> 18460
 <211> 436
 <212> DNA
 <213> Aspergillus nidulans

<400> 18460
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 gcgaatagca gcgggtatgg gctgtccgcg gcggtgttta ctcaggatct gcgaaaaggt 360
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<210> 18461
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18461

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tacgtcctca acaagaagga ctaccttatg tcaactgttg gcaaccctga cggcgaggac 360
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<210> 18462
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 <213> Aspergillus nidulans

<400> 18462

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agtaaggctg gctccatgcg cccagggctt atatttctct caagcacgaa ggagataaag 180
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atgaccaggc gtttgggggc ttgggaagga tcgatcaggg gactagattc ttacaaccg 360
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<210> 18463
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18463

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cgttccccgc accttcaaag gatgctgtca actcggtttt catctgtgca ctcaaagcgg 300
gagggaaaact ccatggagag cccaagactc gcgactctca gtcaggctac tttagcgctg 360
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gaagcagcag cggcagca 438

<210> 18464

<211> 439

<212> DNA

<213> *Aspergillus nidulans*

<400> 18464

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acaatgactt tgcttctact ggcatagatc gaagcaaaac ggaaggcggg tcatttgatc 180
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ctcttaatgg ctcgggcggc ttgcagcgga aaaagagtct tgcacagaga atccgtgggtg 360
gtatcaaccg ccccaaccct cgggtcacat ctccgcaggc tgcatacggg tcacctcacg 420
cttccacctc cccacgcaa 439

<210> 18465

<211> 439

<212> DNA

<213> *Aspergillus nidulans*

<400> 18465

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ggcggagttg gtcgaggccc aggggagtgt gaccttgga cagctgggaa ctgggcagga 180
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ccaggtggtg gctttgctc 439

<210> 18466
<211> 439
<212> DNA
<213> *Aspergillus nidulans*

<400> 18466

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gagaaggcga cgtccccaac gcattctatc ttctcgagtc tggaatgtgc gcgcagagta 180
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gccattcttc agcgagacgc ggcggacggc gacggtgaag gcagagcagg attgcgtgac 300
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agtccttccc accaccacc 439

<210> 18467
<211> 440
<212> DNA
<213> *Aspergillus nidulans*

<400> 18467

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acaagagttg gtgtcaccga cggccacatg gcgttcgttt ctctgcgttt caagaaccgc 180
ccagctccca gcgctgaaca agtgggtgcaa gccatgagag aataccagtc agaagctcag 240
aagcttggat gtccatctgc cccggccgag gccatcaaag tggtcgatga gcccgacagg 300

ccgcagccaa gactagaccg agacatcaac aggggttaca cagtcagcgt gggacgagtg 360
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<210> 18468
 <211> 440
 <212> DNA
 <213> Aspergillus nidulans

<400> 18468

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 cgattcttat cctttagggg ctgcctgtc tagtgcgatt ctcttcaaga acgttattcg 240
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<210> 18469
 <211> 441
 <212> DNA
 <213> Aspergillus nidulans

<400> 18469

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 aaggaaaatt gtgatctctg ctgagctata gagaatgaca ggcagaaaaa ggctcgttct 240
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<210> 18470
 <211> 441
 <212> DNA
 <213> Aspergillus nidulans

<400> 18470

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acattcaaac cgtcatcacg aaaatcgtcg ctaatacctc ttttcaatag gaagatccca   180
tggcgtatct cgcagcccca gaaggcccgg caacgtaaac gccttcgtgc tgtcgacaag   240
gtagtcgaca ccgtcagcgc ggccttgccc cgaaacggcc agaccacgaa ggctgttgag   300
agatggtaca gagagatgcc ccgagaggag gagatgctgc cgcgtgacaa atacacgatc   360
tttgataaga aggagaagac ataccgcaag ggcattcaca gtatgtttgc catattcctt   420
acgctggcct gctccaggaa a                                           441
  
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<210> 18471
 <211> 441
 <212> DNA
 <213> Aspergillus nidulans

<400> 18471

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ctggaggaag ttcttcatgg tttccgctaa tctggtgctg cagtgactac atcaacccta   180
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tggcatttaa tgccaagaag tgcgttcctt ccagcccag tctgacgacg agtctgcgcg   360
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gatgcgaccg agatcttccg c                                           441
  
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<210> 18472
 <211> 442
 <212> DNA
 <213> Aspergillus nidulans

<400> 18472

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acttctcaaa ttcaagggtg agggaacgaa attggtctat gacgacgaag gaaacgcaca 180

cgagctctac gagatggaag acgaagaagc attcaaagcc gcggtgatg caaaggaaca 240

gcaggcacgg ttcttggtg aggaggcggc acgaccacgc gcgcgatat ggaggataag 300

gagattgcta agcagaagag gcgcgagaag aaggagaagc ggaaagcgag ggagcgcgac 360

gtcttggtg aggaggagcg tgaagagcgc gtcgctcagc ttgttccgtt tgacgaggac 420

gaggacatgg gtgatgcagg cg 442

<210> 18473

<211> 444

<212> DNA

<213> *Aspergillus nidulans*

<400> 18473

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actccacca aaaaagtcct agatgagttg gtaaaagggt gtgagttggc tatctataat 180

gtcaacttac tagcaaggga aaactgtgat ctccgctcag ccatagagaa taacagacag 240

aaaaagagtt gttctaaaca ccagatgact cttacagaag gtctttcatt tcaggaagcc 300

agggacctaa tttcatcaag aaataaccaa atagaggcaa gatggggggg tgctggcgga 360

ggtgcgcctc aaactctagg tatacctaaa catactccac caacatgttc agaatgtaat 420

attcagggcc acaagaggac cagc 444

<210> 18474

<211> 444

<212> DNA

<213> *Aspergillus nidulans*

<400> 18474

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cgattgagtc ttttcacgtg ccctcgactt tgtcttcgca ctttattgcc gcactcgcca 180
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<210> 18475
 <211> 445
 <212> DNA
 <213> Aspergillus nidulans

<400> 18475

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 gtcagagatg ccacatatgc gagcg 445

<210> 18476
 <211> 446
 <212> DNA
 <213> Aspergillus nidulans

<400> 18476

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cagccgcggg cgtcaaccac gtcaaagatg cattcgacct gacgcctgag atggtcgata 360
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<210> 18477
<211> 447
<212> DNA
<213> Aspergillus nidulans

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<210> 18478
<211> 448
<212> DNA
<213> Aspergillus nidulans

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<210> 18479
 <211> 449
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18479

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<210> 18480
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 <213> *Aspergillus nidulans*

<400> 18480

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<210> 18481
 <211> 450
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18481

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<210> 18482

<211> 451

<212> DNA

<213> *Aspergillus nidulans*

<400> 18482

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cagatggacg gtttcgagca gactagcaat gtgaaggcca tcatggccac taaccgagca 420
gataccctgg atccagcctt gtttcgaccc g 451

<210> 18483

<211> 452

<212> DNA

<213> *Aspergillus nidulans*

<400> 18483

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ccttgatgac ttgatcaacg aaggtcgcat tgagccgcag ctggccatga agattctctc 180
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<210> 18484
<211> 452
<212> DNA
<213> Aspergillus nidulans

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<210> 18485
<211> 454
<212> DNA
<213> Aspergillus nidulans

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gaaggtctac accacccccca agaagatcaa gcacaagcgc aagaagacca agctcgctgt 360
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<210> 18486
 <211> 454
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18486

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 tctgaaggct aactatgagc actacagggt actggcggtc gctccatcta cggcgacaag 180
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 ccctgctcta gcaacggctc ccagttcttc atcaccaccg ttgtgacctc atggctcgat 360
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<210> 18487
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 <213> Aspergillus nidulans
 <400> 18487

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 ggctactttg cactcgtctg catcttcttc ttgcgccat tcttcagtt cggctggggc 180
 cctgtttgct ggatctatgt ctctgagatc ccgacaacgc ggctccgcag tttgaatgtt 240
 tcctttgctg ctgccacaca gtggctgttc aactttgttg ttgcgcgcgc tgtgcctaac 300
 atgctggcta ccgtgggtgc caatggttat gggtacattt tcctcatctc tatacgccat 360
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 ccattgttgt cttcgtttgg ttcttcgtcc cgga 454

<210> 18488
 <211> 455
 <212> DNA
 <213> Aspergillus nidulans

<400> 18488

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 aaggtatgca gcattgaatc atcctgctag gacagcgcaa gacggtcgct aatttgtata 180
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<210> 18489
 <211> 456
 <212> DNA
 <213> Aspergillus nidulans

<400> 18489

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 attgaaagca gaatcagact acatcttgag cggctctggcc agctacctgg taatgatggg 360
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<210> 18490
 <211> 457
 <212> DNA
 <213> Aspergillus nidulans

<400> 18490

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atgttgctct tccgatctaa ataccgttca accatctctc tctaataatta tgaactatag 180

cgctttcctg aagcatgccc ttccagcttt cgcgaaagaa aacccccaga ttgagatccg 240

agtctcacca cgacctcaca agcaccctat catcaaagga cactatatca acggacgaga 300

gaaggcgatc tgcgtgcgga atctcgagcc ggaacagata acccagaaag ccaacttatt 360

gaagcaggct agcggcgaga agctgaagcg caccaagaag cccgtcacga gtatcaacga 420

gagtgttcgt ggtatctggt cgccttacca cggagggc 457

<210> 18491

<211> 458

<212> DNA

<213> *Aspergillus nidulans*

<400> 18491

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aaacatgcat taaccccacc ttcactactg gccaccctca aatgatgtct cctctggcca 120

agtaccaccg ccagaacgct ggtctctgcg agcgttttga ggcattcgct tgcaaaaagg 180

aaattgtcaa tgcttacct gagttgaacg accccttcga ccagcgctct cgcttcgagg 240

agcaggctcg ccagaaggac caggggtgacg acgaggctca gattatcgac gagaacttct 300

gtactagctt ggagtatggt ctgcctccca caggtggttg gggatatgggc attgaccgct 360

tggttatggt cttgacggat aactacagca tcaaggaggt tcttgccttc cccttcatga 420

aggatgataa gaccgcggct gagggcaagt cggcagcc 458

<210> 18492

<211> 458

<212> DNA

<213> *Aspergillus nidulans*

<400> 18492

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gaagacccct ccttcacct gaaccaggga atctaccgca actccaagat cctcgctgctc 120

acaggacceca atttcggctg tggctcctcc cgcgaaacacc gcccatgggc tctcctcgat 180
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 aagaacggca tgctccccgt cgtgattccc gaccaggccg tccttgagaa gattgccgac 300
 gaggcccgcg ccggccgcga agtcgaagtc gacctcgta accaggagat caaggatgag 360
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 ggactcgatg atatcggttt gacgctgcag atggagga 458

<210> 18493
 <211> 458
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18493

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 agagaccccc agcgtttctg ccgtctctc cgctctgga acctgcgcca actgggacga 180
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 gtatgttgcc tacgttggtg acgtcggaaa cccttggggc agcaacatca ttgaggtcga 300
 tgccgataaa gcatgcaaat ataagaatgt cgtcaagttt tccggctctg agactgacga 360
 ctggaccatc gtcttctgga acaagattgg ccctgatgga ttgctgaccg gctgggtacgg 420
 caactctgct ctcaaactca cgatttctcc cggcgaga 458

<210> 18494
 <211> 461
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18494

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 gatccgcgcc atcgaaacag gcggatgccc gcacgcgcc gttcgtgaag acatcagtgc 180
 caacctctc gccctccaga acttgaccg ccaattccag acagaccttc tccttattga 240
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cgtgattgac gttgccggcg gcgacaaagt cccgcgcaaa ggcggaccgg gcattacagg 360
 gtcagatttg ctggtgggta acaagattga tcttgccggag gcggtcggcg ccgatatctc 420
 ggtaatggag cgggatgcag caaagatgcg ggagggcggt c 461

<210> 18495
 <211> 461
 <212> DNA
 <213> Aspergillus nidulans

<400> 18495

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 cggattcgat gactacgtca gtaagtgtta actgcaatct atcaatctgc gagattttgg 180
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 ctctgaacta acatctggat agtgattaca ctggtgcgca ggtcaagctg ccaaaaatcc 360
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 ctgactcttg ttccagttaa ttcttggtgg tgaagggcct g 461

<210> 18496
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 18496

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 ccccgattgc tactttttga tggccatggt ttccaccta acgtacgaat tcttagagtt 180
 cggtaagcag aactctataa ttctgtactg ctttccatct catactacac atctcattca 240
 aatgctcgat ggccagcaat ttcaagtgtta tacatactac tatcgaaagt ggaacaattt 300
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 ctatccattc aattctgtag agcttctggg gccgctgcaa aa 462

<210> 18497
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 18497

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cagttttcacg ctaaacttct ctaagggcgc ttcacatgtc attggccagt actaccagat  180
gattcggctg ggcaagcgag gataccgctc ggcatggtg aacatcaccg ggatcgcgga  240
ttatctagct gaccagctcg aacagctcgg ctttatcatc atgagccagc gccgcggctg  300
gggactgcct ctagttgcgt ttcgcctccc tgcggaccgg gcggacgaga cattcgatga  360
attcgcgatc gcgcaccagc tgcgcgagcg aggatggatt gtgccggctt acactatggc  420
gccacacagt aacaacctga aattgatgcg cgtcgtggta cg                               462
  
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<210> 18498
 <211> 462
 <212> DNA
 <213> Aspergillus nidulans

<400> 18498

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ccaaaaccac aactcgctcc cgggaatgta tatcaaattc gccaaaaaga actccggcat  120
cccatccatc accgcctccc aagccgttga aatcgcatc tgctacggct ggatcgacgg  180
gcgcgcaagc tctcttaacg atcagtactg gctagtagc tacacacccc gacgccccaa  240
aagtctctgg tccgcaaaga atgtagcaac tgtgcagcgg cttatcgacg agggacgaat  300
gcgcgatgcg ggattggcgg ccgtggaggc ggcaagaaa gatgggcggt gggagagggc  360
gtatgatggg ccggctaaca ttgggggtcc cgcggtttg gaggaggcat tagagaagca  420
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<210> 18499
 <211> 463
 <212> DNA
 <213> Aspergillus nidulans

<400> 18499

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ctgtaccagc agaagcgcca tgccgagaag atccagatga ggaagcgcat caaggcgag 180
gaggagaaga acgtcaagtc atccgcgccc agcgagccct ccaagacgcc cctcccgcaa 240
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aagcggggcg agaaggcggc caagtctgcc gtgcccctgc ctaagggttaa gggattag 360
gaggaggaga tgttcaaggt tgtcaatacc gggaagaaga cgcataagaa gtcgtggaag 420
cggatgataa cgaagccgac atttgttga aacgacttta cgc 463

<210> 18500

<211> 463

<212> DNA

<213> *Aspergillus nidulans*

<400> 18500

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ctgtcaacca aaggagtctc atccctactg tcatataccc tgtggcatgt catcacattt 120
ccgatcacct atttgttggg gtttatcctt gtcttcagtg ctctaattgca aattcggtat 180
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atcacaagtg ggcgcattcg tgccgatgac gagtccacct actcaacgga tgaggaagaa 420
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<210> 18501

<211> 463

<212> DNA

<213> *Aspergillus nidulans*

<400> 18501

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cgccgctgaa ctcatatccc agcgcgaggc tgtctcaaac cgcattcgca cagacctgat 120

gaagcgtctt cgcaattcaa catcgccctt gaggatgtct caatcaccca catgaccttc 180
 gggaaggaat tcacgcgcgc cgtcgagcaa aagcagatcg cacagcagga tgccgagcga 240
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 ggtgaggccg agagcgccga catcatcagc aaggccgtcg ccaaggccgg aaacggcctc 360
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<210> 18502
 <211> 463
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18502

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 tgaagtcgtg gaacgcgata atattgcccg gcggcgcgca gagcgcgagc gccagctac 180
 gcgagaggtc ttgtcaagct gcagcagaag tactggtgca ttggtgacgt ccgtggccgc 240
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 ctggccagg ctgtttccga tcaggccatg acaaaaggcc tgtcttgcaa tgcgttaac 360
 ttgccaggaa tgggggggtgt ctccgctttg gcgccaccag tcacggttac cgcgaggaa 420
 attgaagagg gacttgcaat tttggatgag gcgtttgggg acg 463

<210> 18503
 <211> 463
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18503

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gtatggctctg aaaagcagta agggggcgcaa gcggttgat aaatcgacga tggcgatcac 360
aaaggcgacg tatccatttt tgcccagagc aatcaggaca taccagtc agttctatat 420
gaaggatatg aggaaaagga tgaagaagta tggggagacg cag 463

<210> 18504
<211> 464
<212> DNA
<213> *Aspergillus nidulans*

<400> 18504

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ggcaagatca ccagcgtcta ccgtctgaag tgggtgcgtcc acgtcgagcg tgttgtccgc 360
gagaagtcca acggccagag cgttccctc cccatccacc cttccaaggc cgtcatcacc 420
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<210> 18505
<211> 465
<212> DNA
<213> *Aspergillus nidulans*

<400> 18505

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cagccgacag tatccacgcc tacctgaagg gtgatattct cgagtgcagc gcgcggtcgg 360
acaacgtcct cgcgacgggt ttctgcccgc aagctgacag gaacaacgtc gaccttttcg 420
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<210> 18506
 <211> 465
 <212> DNA
 <213> Aspergillus nidulans

<400> 18506

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ataatggtat tactatgctg tcttgtaaaa ttcgcgttat gcaggacaga cttcttcttc 180
tctcgcggtt cttcttgaga ttagacaacg ttcttttccg acttcgggac accaggggtat 240
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catagaagtt agcaagcgca cgggatgata taccgctat catgagggac cctaacaggc 420
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<210> 18507
 <211> 465
 <212> DNA
 <213> Aspergillus nidulans

<400> 18507

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gctatgtcga cgaggttccg atgacagata tgaacctgca acctggaaca gataatcccg 180
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<210> 18508
 <211> 467
 <212> DNA
 <213> Aspergillus nidulans

<400> 18508

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ccgaatcctc gacgatccta ccttttccgt cttgaactct atgatctttt acaaccaggt 180

cgacattgtg aaccacattc agtcggatgg cgcctttcta aaggagctat tttcgggtctt 240

tgatccgaga agcgcagatg caaagcgcaa agaggacgcc gtccagttcc ttcaccaatg 300

cgcgtaaatc gcgaaaaact tacaggttcc ggagcgtgcc accctattcg caaacctcat 360

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<210> 18509

<211> 467

<212> DNA

<213> *Aspergillus nidulans*

<400> 18509

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tcgcgctcaa tgacagagct tgcgtcccc gttcgtcctt tggtcattct tgacgagtct 120

gggcagccgc tagcggggga tgaccacgat agacgcttct ttgaagcctc ctggatgcat 180

aagtacaaag gcgtttacta cttttcctac tcgactggcg acacgcacta ccttgtgtat 240

gcaactgggt cttcaccttg gggcccgttc acgtaccggg gacgaatact agagcctgtg 300

ctagggtgga cgacgcacca ctcgattgcg gagtttgaag ggcgctgggt gctgttttat 360

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<210> 18510

<211> 468

<212> DNA

<213> *Aspergillus nidulans*

<400> 18510

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ctgactcttg ttgagccgca ccttcaaaat gccgggatcc agttcgcccg catcgacggg 120

aaaatgacat cgatagcccg cgaccgctca atgcgccgct tctccacaga ccccaagtgc 180
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 cgggagaagg cgagcaagaa ggttgatgat cgagcgacac gtgtggca 468

<210> 18511
 <211> 468
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18511

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<210> 18512
 <211> 469
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18512

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 atgcagagag attttatccc gagaggcacc tcgttaatga tcccactgat ccatactttg 240
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tggctttgat gcaactcaag attgccctag tgatgacggt gaggaccttt gattttgaga 360
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 tgggggttgcc gactaggggtc aaattagttg agtagtacat gcttttggga 469

<210> 18513
 <211> 469
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18513

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 cggaagatg ggcgtcctt acggagacct tctgcttgca tatagcatag aaaacaagcc 180
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 aatgcaagcg gcaatcgat tatatacccg ggtcggcttc gtcgagacgc ctccatacta 420
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<210> 18514
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18514

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 ggcggaggag gctgagcggg agcgggaagca gcgatcgcg gaagaacgtc agcggctcgt 420
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<210> 18515
 <211> 470
 <212> DNA
 <213> Aspergillus nidulans

<400> 18515

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gaagaagatc ctgaacctcc gcctcaaggt tcccccttcc attgctcagt tccagaacac  240
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caagggtgag aagaaggagc gtcttcatgc cgaggctacc gccgttgctg agggcaagaa  360
gaaggaggat gtcagcaaga agccatacaa cgtcaagtac ggtctcaacc acgttggttg  420
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<210> 18516
 <211> 471
 <212> DNA
 <213> Aspergillus nidulans

<400> 18516

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accaccacc cgcgcccgtc gtcactgctg cttcacctcc cacaagtccc ggtggccgct  180
cacgtacttc ccgcctctca cgtatctcga acctctccct cttccactca aaccgcgaag  240
gcaacaatgc ctgcgactcg caatctggag gtagcagaat ccgctccccg cgcttcacag  300
gccgcaaaca cggccacacc gttggcatca acatctctc ccccttggcc tctccagacc  360
ctacctcccc acattccgac caaatcccc tctccccgcg cttctacaac cccactcctc  420
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<210> 18517
 <211> 472
 <212> DNA
 <213> Aspergillus nidulans

<400> 18517

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catctgattc ctcatctgat tcttcgtctg attcttcgtc tgaatccgaa tcggacgccg 180

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ccagccgcac cctccagaac tcggaggctg aagccacca aaagcccgcc gctacatcgg 360

aagcctcagt ctctccagt gccagcccag ctcccagaaa tggcaatggg aacggcaaga 420

aaaaccacac cggcaccgt cctacacctc tagcgtctc cagcgaactc cc 472

<210> 18518

<211> 472

<212> DNA

<213> *Aspergillus nidulans*

<400> 18518

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caagtcccag gctcttgccg caatgaagga atacagccgt gccattgatg cttgcagcga 180

cgccgccgag cacgacgacg gcagccacgc ccgtgaaatc gagcaacagc aacagaaggt 240

ccttgaggcc cagtacagtt cccgtgccgg tgagactgaa caggagacga tggagcgtat 300

ccaaaaagac ccagaggtat gcccgccatg acagaataat atgacgtgca tggctaactg 360

gagcagatca tgtccatcct tcaggacccc gtcatgcaga gcatccttca gcaagctaag 420

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<210> 18519

<211> 473

<212> DNA

<213> *Aspergillus nidulans*

<400> 18519

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ttggtttggc aggetcatcc ccgtccgact ggaattccgt tcaatctgac gccattcgtc 180
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catagggctc aagaaaagca gcgtgctaag cgaagggaaa gggagctaa tggtagaggag 360
tataagccca aatggttcag caaggccaag tgtccaatca cgggtgaaga atactgggct 420
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<210> 18520
<211> 475
<212> DNA
<213> *Aspergillus nidulans*
<400> 18520

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cccgcatgac ccaggcctat tcacacatac tacggaaaag ctctctatca ccacccatgt 180
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cgatgatgct ccggatccaa aaatcaatat caaagaatac cagcgtggta ctggc 475

<210> 18521
<211> 475
<212> DNA
<213> *Aspergillus nidulans*
<400> 18521

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atgatgttct caatgtcttc caggtagaccg ggttgatga agaggggagg tacttcatgg 180
agacatcgcc cgcaagcca ggcgagtact ttgagttctt cgctgaggtt gatgttctct 240
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ccactaatat ttgttttgat aggtgacctc tcgaattggg gctgggatga caaggaagat 360
atgggggcta ccaccgtcc cttgggggtg gaagtctata agatcaccga agccaaagct 420
ttggaaggat ggaaggagcc tcagagccct aaatacaccg gaatgcatgg catga 475

<210> 18522
<211> 475
<212> DNA
<213> *Aspergillus nidulans*

<400> 18522

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cgatatgcga tcgtcaccct aatttggccg acgaagtggc ccaaactgct cctcgtccaa 180
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cttcgatatc tttgagttac ctggatgacg ttacagaaat catccatcag ttgccacgtt 420
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<210> 18523
<211> 475
<212> DNA
<213> *Aspergillus nidulans*

<400> 18523

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gaggccgtac cgccagagat cgcaagtatt gtcacacaaa agctcagtgt tcctaccatt 240
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aacttcccgc ctggtcgctt cttccccaaa tttgttaagc agtatgcaa cgtctggaac 360
gaggcactcc aaggcatcca acagtatcgt gaggagggtta agagccgagc gtatcccgca 420
gagcagcaca cataccctat accgaaagag gaactggttg aattccagaa ggctg 475

<210> 18524
 <211> 475
 <212> DNA
 <213> Aspergillus nidulans

<400> 18524

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cgaggcgcg gattctactg ctcggaactgt gatctgacgt tcaaggataa tttgcagttg  180
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aaggctacag tggaggatgt gcggcagcgg ttgaggatgc ttgccacca gaaacgggtc  300
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gaggaacagc tttcaaaaga gcgagaagaa aagaggcgga agagaaatga gaagcgtcgc  420
aaaggtggag atggtgtaaa gcaggaagac agctgggaag gtcggctggg gatca      475
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<210> 18525
 <211> 476
 <212> DNA
 <213> Aspergillus nidulans

<400> 18525

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tgtatcaaca cctggctctt caatgagtag ggcattgacg cggttcccca caacgaggtc  180
atgagcggtc cgctgcggca tccgcttccg gtgaaggatc ctgcaagcag gtcgccctta  240
tggttaactc atatgcgata cttcgccctc gtcgggtttc cggatgtgct ggagctgggg  300
ctctgcgtcg tcagcttagg aaattcaagc cttgtctatg aggccggagt gtttaaggac  360
catgatgaac aggtcaaggt tataggtaga tatatgcatg tttggttggg tcggcggacg  420
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<210> 18526
 <211> 476
 <212> DNA
 <213> Aspergillus nidulans

<400> 18526

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caagtaccac agcagaatat cttcactggc ctgccattgg agctaagcc agaagaagca 180

aggctcctgg cggagaaggg cgtagcttgc attgtagacg aggtaaactt ccagaagcag 240

gggatgaatt gtctcgtgga ggaagaccgc aagaagtatc tcgaagaact agaattgcaa 300

ggtgtcgagt ctatgcagct tcaggtgcgc cgaaaagaac ggcaacggga ggaagctctg 360

aagaagaaga atgagaaggc tgctgcaaag gcgaagaaaa cagagcggaa acaagatacc 420

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<210> 18527

<211> 477

<212> DNA

<213> *Aspergillus nidulans*

<400> 18527

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gcgctgtata gggatatcaa ggagcgcgcc gaggtgcag ggcgaaacag ggatcacatc 300

aagatcctcg tgcggcattc gtcttggttg gtgacagcgt tgaggaggca aagaggaaac 360

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tcggcgccga tgcgtcaggg ttcgaccagg acggtccatt gccggtggac ctacctg 477

<210> 18528

<211> 477

<212> DNA

<213> *Aspergillus nidulans*

<400> 18528

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ggcgggatca gggatcgccc ctttccgtgc atttttgcag gagagggcgg tgatgatgga 120

acaagacaag gaccgcaaac tggctccggc attgcttttc tttggatgcc gggctcccgg 180
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aatcctggct gatcgagagg atgtggtgaa gttgtggaga gacggtgcga ggggtgtatgt 360
ttgtggttcg ggggcgctgg ctcatgctgg tcgaagcgct atggttacgg tcctgcggga 420
cgagatggaa acgaccggcg acggttcgga caatggaaag gcggagaagt ggttcga 477

<210> 18529
<211> 477
<212> DNA
<213> *Aspergillus nidulans*

<400> 18529

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<210> 18530
<211> 478
<212> DNA
<213> *Aspergillus nidulans*

<400> 18530

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gctgcggcga tttttatgcc ggttgcgagg ctggctctgc aggacttggg gcgcgataga 360
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<210> 18531
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 <213> *Aspergillus nidulans*
 <400> 18531

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<210> 18532
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<210> 18533
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18533

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accaggagga gagaacatat tcccaagaga gattgaggac cgcttggttg cccatgactc  420
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<210> 18534
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18534

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<400> 18535

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g 481

<210> 18536

<211> 482

<212> DNA

<213> *Aspergillus nidulans*

<400> 18536

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tttcatgaag ggcactccgg aaactccgca gtgcgggttc tctcgcgcaa gcatccagat 180

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acaaggagtt tattggtggg tgtgatattc tgatgtcaat gcatcagaat ggcgaacttt 420

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ct 482

<210> 18537

<211> 483

<212> DNA

<213> *Aspergillus nidulans*

<400> 18537

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<210> 18538
 <211> 483
 <212> DNA
 <213> *Aspergillus nidulans*

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 cagcaagccg gagggcaaac tcccgttcga tttgccccgg tcaatggacg ctgtcgaggc 420
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<210> 18539
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18539
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ggcctggaac ctgaacttcc ttctatgata atcgaatgtt gctctcaaga gcggacgtac 180
tccaagttct atggtcttat tggatgaacga ttgcgcgaaa ttaatcgctt ctggtcagac 240
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gtgcgcaata tcgcacgttt ctccggccat atgctgagta cagatgcact tggctggcat 360
gttctgtcag tcattccactt gaacgaagaa gaaacaacgt cgagcagccg tatctttatc 420
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aca 483

<210> 18540
<211> 483
<212> DNA
<213> *Aspergillus nidulans*

<400> 18540
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ttctctctgg tatgtctcgc gaaccgacaa tctgtcttg atctgacatt tataggcctt 180
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gtg 483

<210> 18541
<211> 484
<212> DNA
<213> *Aspergillus nidulans*

<400> 18541
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gatgcctttg gtgcttctcc gtcccaagtg gggctctacc ttagtgacat ccaggaccac 180
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ctgc 484

<210> 18542
<211> 484
<212> DNA
<213> *Aspergillus nidulans*

<400> 18542
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aggcaaaaca gtggctctgt acagagacat atacagcata tgctaataag gcgcctgaaa 180
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gatgtataag ggacggcccg tcaaaaacaa tagactggct ctttaagtaca gctgccgggg 480
ctga 484

<210> 18543
<211> 484
<212> DNA
<213> *Aspergillus nidulans*

<400> 18543
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 tcgattctgc ttatcgggga caaggtgttc ccactgggtg cggcggagct aacgcctacg 360
 gacataatgg cggacatgag catgatgatg cttttcggag gcatggaacg caccatagcc 420
 cagttgcgag agttgttgtc gtcggttgga ctggatattg tgaggacttg gcggtcaaata 480
 gggc 484

<210> 18544
 <211> 484
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18544

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 cgtctcaaac tgcggaagaa agattgtcaa ccgggccgcg ccaaagccgc gccgtgaccg 180
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 ggatgacggc gaatttaaata gtggattacc ggaagccggc gctgccggac cgggtttacg 360
 tgctgagggc agagacagtc aaggttgagg ggaggaaggc gtgggtggag ggagtgataa 420
 ggatgatgcc ggcaaagaag acggcgagtg agtacaagtc ggtgcttgtt gcggagggga 480
 gggc 484

<210> 18545
 <211> 484
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18545

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 agacaagatg gcttccgcag cagcatcgaa ccctgagaac atgttctact gcgtcaaagt 180
 aatgagcaaa ccagggtttc ctgaaatctc ccctgctgag tcgccaaaaa tcatctcggg 240

caagaatctc gccccgtttg tgcgcattct tgcaactcaat gcttcggtgt tctccctcgt 300
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 cctacgggaa cgggtactgg gatcacaatc tcagaacgcg gatacactgg atgccacata 420
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 cagc 484

<210> 18546
 <211> 485
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18546
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 tgcacttaaa aagggccgca aggtcgttcg cctgaagcag ggtgaccctt atctgtacgg 180
 gcgaggaggc gaagagcttg agtttttccg cgctgaaggc tttacgccag ttgttttgcc 240
 gggcatcacc agcgtcttga gcgctccatt gtttgcgga attcctgcaa cccaccgagg 300
 ggtagctgac caggttttgg tgtgcacagg cacaggaaga aaaaggcctg cgctgaacc 360
 tccaacttac gtaccgacac agacggtagt tttcctaatt gcgctacatc gactctccgc 420
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 gacac 485

<210> 18547
 <211> 485
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18547
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 tactggccga aagtgatatt atcagcgtga atgtgccgct gacggggcag acgaagcaac 180
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ccgcaggact ggacgtctat gagcggaac cggaggtgaa tgaaaagctc cttaagcaag 360
agagggccct gatggtgccc catgtcggca cgcacacggc agagaccctg gcaaagatgg 420
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tccct 485

<210> 18548
<211> 485
<212> DNA
<213> Aspergillus nidulans

<400> 18548

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aattgctgct ctaatcaacc aagccaaatt ccgccaatta ccagtcattg ttttcatcgg 420
cacaaccggg tacgtcacca actatttcag tacacaaaga ctgggctcct cctcccaggt 480
tgcca 485

<210> 18549
<211> 486
<212> DNA
<213> Aspergillus nidulans

<400> 18549

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gaattgttga cgattgcatg gcgaacatcc acccatttta ccacatcaaa gagctcatga 180
tcaagcgcga actcgccaag gacccacccc tagcccatga atcatgggac agattcttgc 240
ctaacttcaa gaagcgcaca ctgtccaagc gccgcacgcc attcaaggtc accgacaagt 300
cgaagaaggt ctacaccccc ttcccaccgg cgccggagaa gagcaagggt gatctgcaga 360

tcgagtctgg agagtacttt ttgtccaagg aggccaagga acgtgcgag aaggaagagg 420
 ttatggagag gcagcggata aagcgcgagg aaaagatgaa ggagcgggag aaggcgtttg 480
 tggcgc 486

<210> 18550
 <211> 486
 <212> DNA
 <213> Aspergillus nidulans

<400> 18550

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 tttgagagct ggattgatat ggacctttgt cgtcggcgtt gtatagggca caagattccc 180
 gcgattgaaa atttaggtat tgccaaggta cttacctctc tccacctctt ccctcatttg 240
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 tcgacttcac agacaacgac atctcctcgc taggcaactt cccgttcttc ccgcggtgc 360
 gcatgcttct ccttgccaga aaccgggtgc ggcagatcca gccaagcctt gcgaattcaa 420
 tcccgggctt gacgacactt gtcctgacag caaacaacat agctgagttg gcggacctag 480
 atccgc 486

<210> 18551
 <211> 487
 <212> DNA
 <213> Aspergillus nidulans

<400> 18551

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 ttatttcagt caaccggaag aacatgcac gcctgggtgct agctgggctg cgtgtagcga 180
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 cagaacgaga actcacgca ctggagatca gcttctgttt cctcgcggat ttcgacctac 300
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 cgacgtgact ctgggtatgg tgacgtgcgc gagcattgct tgataagaca ggatacagga 420

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<210> 18552
<211> 487
<212> DNA
<213> *Aspergillus nidulans*

<400> 18552

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ctcccaagtg cgggtgactgt ggcacatcagc tccccgggtg gagtaccgag tccccggatc 180
tggctggatt tcatatacaa gaaaaaaaaa aaaaaacaag gggatcgatg aatggattca 240
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ccgtgcctac ggtggttccc gctgcgccgg ctgtgtcaag gaccgcattg ttcgtgcttt 420
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taagcgc 487

<210> 18553
<211> 487
<212> DNA
<213> *Aspergillus nidulans*

<400> 18553

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accacagccc cctcggcgga ggtgatgaag ccgctcttgg agggtttggg agtccttgga 180
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gttgcaattc ttcctatacc ggaagcaact ccgctaacia acgcttagct taaatacggc 360
gcttcggttc agttctggcc atgcggccac gccgcagact caaaagaggc gattgccttt 420
acggagctgc aaggatcgac tgtctgggtg aagagttccc tctagccaaa gcaaacgagg 480

cattcgg

487

<210> 18554
<211> 487
<212> DNA
<213> Aspergillus nidulans

<400> 18554

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tctggtacat ctgccggact gcaactgtga ccggaattgg ccgacgcaaa gcacgccgct 420
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tcgggggg 487

<210> 18555
<211> 488
<212> DNA
<213> Aspergillus nidulans

<400> 18555

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aaacgccttt tcattgtcac tacggatata acatccatat tggcgaggac gttatgatat 180
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attgtctg 488

<210> 18556
 <211> 488
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18556

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<210> 18557
 <211> 488
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18557

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 tcagagacac cttccgggac gacctgcgga cgattcctct cgcgcgtcgc catatcagca 240
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<210> 18558

<211> 488
 <212> DNA
 <213> Aspergillus nidulans

<400> 18558

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 aacgtagaag ggcagacctt cggttcttaa agctagcaaa gagagcattt caggtcaccg 420
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 tacgatca 488

<210> 18559
 <211> 488
 <212> DNA
 <213> Aspergillus nidulans

<400> 18559

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 gcgccgaacg gacgagggt acaagatgac acagaaggag ctgccacca aatgcaacac 360
 cacagttacc gtcattcaag acttcgagcg gggtagagcc gcaccggacc agaaggtgct 420
 tagcgccatg gagcgctgc tgaacatcaa gttgagaggc tctgacatcg ggaaagagaa 480
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<210> 18560
 <211> 489
 <212> DNA

<213> Aspergillus nidulans

<400> 18560

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gcaatacaga cattgatggg aggttgcttc ctgattaaat atctgaagcg aaaaaattcg 180
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tctccatcgg caaggtcgac gagaacggcc gctacaccgg cgagaaccag acctacgttc 420
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<210> 18561

<211> 489

<212> DNA

<213> Aspergillus nidulans

<400> 18561

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tttgcggttc ccacatcatc gggcgaagag ctcacactga ccctccacga gccctcgttg 180
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aactctgacc ggacccttcg agcactcgag ttaggcgcag gtatcggcct ggtcggcctt 360
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<210> 18562

<211> 490

<212> DNA

<213> Aspergillus nidulans

<400> 18562

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cggcttttga tgccgctgcc cgaggccgaa ccacaatcgc cgttgcacac cgactcagca 420
cgattcaaaa ggcggacgtt atctatgttt tcgaccaagg caagatcgtc gaaagcggaa 480
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<210> 18563

<211> 491

<212> DNA

<213> *Aspergillus nidulans*

<400> 18563

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gcacgggggc gtgtctcttg tacaagatta agcgggtggt tattggggag aacaagaact 360
tcatgggcgg ggaggagtat ctaaagagcc gtggcaagga gctggtggtg ctggatgatg 420
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<210> 18564

<211> 491

<212> DNA

<213> *Aspergillus nidulans*

<400> 18564

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 aacctggacg tcattgtcgt cgctgaacgc ttctccaacg gctgaacca gacctactct 180
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 atcctcgttg atgctttccg cttcggttaag ccagtcgctg ctcttggcag cggctccact 360
 gctttcgaca acgctggtat caacaccgcc gtcgagggcg tgtacgttgc cgatgccgtg 420
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<210> 18565
 <211> 492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18565
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 cagcactg tatgctctgc gcacgtcgcc gctgcgcgcg gagatattgg gtgatgagat 360
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 tagaccggac cg 492

<210> 18566
 <211> 492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18566
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 gccgtggtat caactcctcc attgccgtct tccaggatgt tactggcaat gctaaggaga 180
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 acgagaccgt cgaggaggct acccagtctc tgtaccctct gatcggcgcc aacggtatgg 420
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 gcttcaagga ca 492

<210> 18567
 <211> 492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18567
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 gccatccttc agtcgtcgcc tgaccccgag cccgagctcc gcgcctacgc ccgtgagctc 180
 gaggccccct atgagcttct ccgcgaagcc gccgagaagg gccgccttcc tgtcgtgaac 240
 ttcgcggccg gtggtgtcgc gacccttgct gatgctgcgc ttatgatgca gcttggctgt 300
 gatggtgtct ttgttggctc cggcatcttt aaatctggag atgcaaagaa gcgcgctaag 360
 gccatcgtcc aggctgttac aactacaag gaccctaagg tgctggctga ggtcagccag 420
 ggctcgggg aggcaatggt tggcataaac gtttcgcata tgaaggatga ggacaagctg 480
 gctaagcgtg gg 492

<210> 18568
 <211> 492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18568
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agtcaatgtt cctcagaagc aggctgcggt ccgttccctc catggttcat acggacacga 180
 ctgatatgga gcagtacaac gcatccaagg cggccgtggt ccaactagca cgatgcctgt 240
 ctgtagaatg ggtcgacttc tgtcgcgtca attgcatctc gccgggcttc atcgagacag 300
 agatactcga tgctcatccg caggaatgga gagcgaagtg gcacagcatg attccagcgc 360
 acggagtggc acaggcttat gagctgaagg gagtatgtat ttcacgagat tgagctgcaa 420
 aagctaacat tacaggcgta tgtcttttgt gcgtcggacg cctcgagtta catgaccggc 480
 gcggatattg tg 492

<210> 18569
 <211> 492
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18569
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 atttctacga ccgtgagggc attacaggga caaagacagt ggtattctcg gactcgttgg 180
 acatcgagca ctgtcttgag tataaagttc tagcagagga ggctgggttc aagcctgttt 240
 ttggcggttg gacattcttc acgagtatgt gtttctccta ccttgagggtg aattcactga 300
 accgaactga tgtggtgtag atgacttcat caatacaacc acgaacgaaa aatcgcaacc 360
 gctcaacatt gtcataaaaa tttcctctgc taatggccgg gccgctgtca agctaagcga 420
 caatatgggc aagaatacgg gcgacaagga tacagtccag gctgtcaaga agaggctggg 480
 gtacgtcgag ca 492

<210> 18570
 <211> 494
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18570
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 gagactctac agaatctgtc tgttgaattc gccacattgg gagatttgaa ggttgtagaa 180

cggccgacta cccacaacct cgccctcgt gacttcttga acgtgcaggc tacagtcaag 240
 gtgtcatcaa cagataccgg agttatcttc ggtaacatcg tgtacgatgg tgctagctca 300
 acagaaactc atgttgtcat ccttaatgat attcacgccg atataatgga ttacatccag 360
 cccgcccact gcaccgagac ccagttccgc acaatgtgga ccgagttcga atgggagAAC 420
 aagggttaaca ttaactccaa ggccaagagc ctgcgtgact tctcaagca gctcatggag 480
 agcactaata tggc 494

<210> 18571
 <211> 495
 <212> DNA
 <213> Aspergillus nidulans

<400> 18571
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 aattcccact gatatcggt acctgctctg cgtgttcttg aatggtggcg cgatacctgg 120
 acgcgcttta ccgggtattg tggcagataa actgggccga ttcaacgtca tgtcactcac 180
 agcaatcgct tgcgggatct gtacactggc attatggat tgctctggca cgaacgaagg 240
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 gtttacgctc gtcagtattg gcactttgac ggggatcccg atggctggag cgatccagca 420
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 ggcagcgggtg tttgt 495

<210> 18572
 <211> 496
 <212> DNA
 <213> Aspergillus nidulans

<400> 18572
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 gcaaagaaga tccccaacga ccagcgcacg acgactccat acatgaccaa atatgagaga 180
 gcgcgtgttt tgggtacgcg agcattgcag atcaggttcg tttgcgactg ttttgacgag 240

atgggtgaag cgctctcatt gacatcccat tagtttgaat gcgccggtgc ttgtggatct 300
cgagggagag acggatccgc tgcagattgc catgaaggag cttgcgcaaa agaagatccc 360
tcttattgtg aggagatacc tgccggatgg aacgtaagtg ataagactct atgtgcccc 420
tgatgttctc atcgatttcg tcctggtatt gactggttga taaagttatg aagattggac 480
atgcgaggag cttcta 496

<210> 18573
<211> 497
<212> DNA
<213> *Aspergillus nidulans*

<400> 18573

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actccagtct ggagtttggg ttcgtccgct tgcggatgc gtactcgact gggtcgtcgt 240
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tggcggccta atgtgcacga tcaagggtct ccctacaaca tacaacaaag atctgcaaga 420
gagtgtcgag cccctcctcg atcacatcaa gaccgtcggc gatagcatcc agattgcgac 480
tggcgtgctg tccacgc 497

<210> 18574
<211> 497
<212> DNA
<213> *Aspergillus nidulans*

<400> 18574

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ctaccacccc tcctctcccg caacctctgg gtacacggtg atgatagtcg gcggcccgaa 120
cgcccgact gactaccaca tcaactcgac tccgaattc ttctaccaat accggggctc 180
catgctgctc aagactgtgg atacgagcac caaccgccc acctccaag acatcccaat 240
ccatgagggt tcaactgttct tattgcccgc gaacaccccg cactgccccg tgcgctttaa 300

ggatacgggtg ggcgtcgtca tggagcagcc aagacctgga aatgcggagg atgcgatgag 360
 gtggtactgt cggaaggagg gatgtggga agtagtttgg gagaagaggt ttgtctgtac 420
 ggatctgggg acgcaggtga aggaggtggt ggaagagttt gcgggcatg agggaaagag 480
 aacgtgcaag gcgtgcg 497

<210> 18575
 <211> 497
 <212> DNA
 <213> Aspergillus nidulans

<400> 18575

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 gaggctctta ttctggatg gccatggctc gcatacacc atgaagtttc ttgactactg 180
 caaagcaaat aagatcctcc tggctacata cccccctcat tcaactcata cattgcagcc 240
 tcttgatggt gggatcttct ctctctatc caaggcctat agtgacgagt tagaagcatt 300
 tctgcatgct tctcaaggcc ttagcgcaat taaaaatga gacttcttca ggctcttttg 360
 ggcaagctgg aacaaagctt tatctccagc aaatattaag agtttatgga gatcaactgg 420
 gctgagacct ttcaatcctg aggttatatt agcgcgcttt agggaggata caacacaaag 480
 accttctctc agtgaat 497

<210> 18576
 <211> 498
 <212> DNA
 <213> Aspergillus nidulans

<400> 18576

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 cgaccatttc acgaattatc ctgactggaa gtggcaagtt cttctgcacc gggatggatc 180
 tgggcaaggg aagcaccgca gtgggtcagg ggggctccag cagcaatgcg cagtttgacc 240
 gactgacaaa tctctttgaa gccattgacc agtccccaa ggtcactatt gcgtgtttga 300
 atggacccgc attcgggggc ggcgttggac tggccttcgc ctgcgatatg cgctttgcag 360

ttagggctgc gagtgtaacg ctacgcgagg tcaagctggg tctttgtcca gccaccatct 420
ccaagtacgt cattcgagaa ttggaattg ctctttcgcg ggaggcgatg ctctctgcaa 480
ggccagtgtc agccggcg 498

<210> 18577
<211> 498
<212> DNA
<213> *Aspergillus nidulans*

<400> 18577

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tategcccac atatattgacc ttgttgccca gcgccccct acagcctgca atttcctccc 180
gctccctccg atactcgccc ggggcccag ttccagcgca agcactggtc cttctgacgc 240
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cactgagtcc ccgctggccc tgatcgacct catccaagtt tttgtcgagg cgctcgaccg 360
catcttcgag aacgtatgcg agctggacct catatttggc tttgagacta tgcattcggt 420
tcttagtgaa atgatcgtcg gtggagtggg tgttgagacg aatattgata aaatcgttgc 480
tggggtacag agccagga 498

<210> 18578
<211> 498
<212> DNA
<213> *Aspergillus nidulans*

<400> 18578

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aaaaagaaca accacattgc ctacagagcag aagcgacgcg cggcgatccg tgaagggttt 180
gatcgactta cggagcttgt tcctggcttg gagggccaag gacgaagcga gagcatcgtc 240
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gaaatcgaac gcagaggggg tcgtgtcagt gacgatatgc gaccctaagt tacctgtcgt 360
tactgtactt ggataccgaa gcccgttggg gctaagttaa gtctggtggc gtctttcagc 420

ctctcgcgat tgaaacgaca cttatataat ctatgatacc ttgcttattg catgtacggc 480
aagatattgc taattacc 498

<210> 18579
<211> 499
<212> DNA
<213> Aspergillus nidulans

<400> 18579

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accaccgaaa acgaaaccgc tgggcccgcg tgcagagcgt cgtcaatgaa gttcgcgcag 180
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cagtcccact tctagctggc tccgcaccag tcgtcgtata ctgcaccaacc attgaaccgc 300
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gggagttaga agaaaagcaa ggccagtctg ccaatggcga gttcccagaa ctagctgctg 420
aatttaattt gaaccctaca cttttattgg cacctacact ggaaacagtt aggggtgcgtc 480
agtggcaggt ccttccggg 499

<210> 18580
<211> 499
<212> DNA
<213> Aspergillus nidulans

<400> 18580

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ccatttagtc actgctatcc tcggcgttga tgtcctagca acaatattct gcttggttgg 180
atggtttagc aatgaaacca tgcccacgaa cccaaaaacc tctttcgtgg agaccaggaa 240
cggttggaca gatatcgta cgtgggtccg agtctggggc tactcgctgg gtgttgagat 300
cgtgatcgca ctggtatact tcatgctgaa ccgattcaag tggctggatg atctaggccg 360
atcgaagcgt gacaaaggag acctgaagat tgaaaatctt ttgggtcatc tagctcggtt 420
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ggaggaagaa gaagttgaa

499

<210> 18581
<211> 499
<212> DNA
<213> Aspergillus nidulans

<400> 18581

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gtgatccaac atcctaagca cgactgtggt cgcgcgccat atctctacta ttacgccacc 180
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cttcttgga caactcaagt tcggtgccgg tgacggccag ctccacttct acctttacaa 420
ctaccgaacc gcccccatcg ccggaggggt caatgagaaa aacttgcccg acgaaaatcg 480
gatgggtggt gtgggcgtt 499

<210> 18582
<211> 499
<212> DNA
<213> Aspergillus nidulans

<400> 18582

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tatcgccatg tccagctgcc gaagaacatg ctgaaaaaaaa tacctgccga ctactttgac 180
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cagtcggcct agccagtcta cgtgctcaca gtttacacag acggcccttg aattaccagc 420
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acgggcgtcg acagtccag 499

<210> 18583
 <211> 500
 <212> DNA
 <213> Aspergillus nidulans

<400> 18583

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 ttggggagcac accccggagg cgctcaaggc cgcatttgag caccctctga gacgcactgt 240
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<210> 18584
 <211> 501
 <212> DNA
 <213> Aspergillus nidulans

<400> 18584

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<210> 18585

<211> 501
 <212> DNA
 <213> Aspergillus nidulans

<400> 18585

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<210> 18586
 <211> 501
 <212> DNA
 <213> Aspergillus nidulans

<400> 18586

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<210> 18587
 <211> 502
 <212> DNA

<213> Aspergillus nidulans

<400> 18587

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aagtcgtatt gcgctgaagg cggacggcga cgtagagaag aaggcgagcc ggttgaagaa 420
gagtcggagg aagtatcggg agttggaaga gaagaagagc accgaagaga cgagtgatac 480
ccagagcgtg gaggtggagg ga 502

<210> 18588

<211> 502

<212> DNA

<213> Aspergillus nidulans

<400> 18588

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ctcgccgatg ctctcgacaa gtcttacgac acgttctatg caaatcagcc caggggtttcc 420
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<210> 18589

<211> 502

<212> DNA

<213> Aspergillus nidulans

<400> 18589

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tcctgaaaag acccgctttg atgccttccg ctccatcttc ccggcaggca cagtctctgg 180
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ggcgtatctg caagcagggtg gtgggtattgt gtttgattca gacccttacg atgagtatgt 420
ggagacactg aacaaactgg gtgcgaacat cgctgtatc aagggagcgg aggaaaagta 480
tctcagcatg gaggcgaaaa gc 502

<210> 18590

<211> 503

<212> DNA

<213> *Aspergillus nidulans*

<400> 18590

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ccggatgtgc gagtcatcac gctaagctcg ctacgggcca acaccgcacc atcatacgat 180
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gcattgaccc agatttgggc cgcgcccgcg ccgagagagc agctgatcaa tggcggatac 480
tacgttccga tcgcgtcaa ggg 503

<210> 18591

<211> 503

<212> DNA

<213> *Aspergillus nidulans*

<400> 18591

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<210> 18592
<211> 503
<212> DNA
<213> *Aspergillus nidulans*

<400> 18592
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cgtgcaagaa cttcgcgaca cttgcgcagc gcggctacta taataacgtc atcttccatc 180
gcattatacc gaacttcatg gtccagaccg gtgaccctac tggcactggg agaggaggga 240
gtccatcta cggcgagaaa ttcgaggacg agattcgctc agacctaaag cataccggag 300
ccgggatact gagcatggca aatagcggac cgaatactaa cggaagtcaa ttcttcatca 360
cattggctcc cacgccttgg ctcgacggaa aacacacaat cttcggtcgc gtcaagagcg 420
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atgaagtcaa gatcctgcgc gca 503

<210> 18593
<211> 504
<212> DNA
<213> *Aspergillus nidulans*

<400> 18593
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cgaggataag gcctccagag cataatcgga atgttatttt tgatgtccat ggtgtgacaa 180
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ttaaacttac agattcggag acgaggccgt taagtgcac tagtgcttga ggtgcggcct 420
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atggagtcca aggccaacgg cagg 504

<210> 18594
<211> 505
<212> DNA
<213> *Aspergillus nidulans*

<400> 18594
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agcccgactt atactatcaa tgctggcgtg ctctgtccc gtccgcccc aatcacacgc 120
gacctaccg attttgagaa agcgtactac ttctaccaga agcgtctgaa cgagcgactg 180
gcgctcccat tcacgaaata cttctacttt aagcgcggaa cggcccttga cgaggattgg 240
aagcgtaagg tccgagagcg ccagaccgct gcgcgcgata ttggcaagta caatgcgtac 300
ggtaaagagg cgtggaacga tgaactgctt ctgggcgcca aggagtcgga accggagcat 360
attgttgagg cgttgatttc ggatgccgag agcactgcc acaacacgtc tcaagataca 420
agcaagcaag agcaaatccc aaggccgcat ccccgggtaa cggaggcgga taagaagggt 480
gacaccaaga gtctggatcg ggctc 505

<210> 18595
<211> 505
<212> DNA
<213> *Aspergillus nidulans*

<400> 18595
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gatatgggct tggtttcta tcgaaattat tggcggcttg tcttgtcata ccagctgcga 180
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gatgtcgttt ctgggctgga agcattacgc gctttagtac gagatcccg t gaccagaaca 300
tacgctctcc gtctcgatta cgactatttt gaggaatgta ttcgcggtg ggaaagcaag 360
ggatatgtga cgctaaaccc aaatgcactt gtttggaccc cgtacatcat gggtaggaat 420
aatcagtcac aattcgaccg cgctcctata cataccgtcg cgccacgcga ggggcttgaa 480
gaagacgatg atgaaagaaa agagc 505

<210> 18596
<211> 506
<212> DNA
<213> *Aspergillus nidulans*

<400> 18596
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attctcttga agcgggcttt accactgggg tgccgtggat gcgcacgcat gatctgtacc 180
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tcgtggtgct gaacttttcg gcgggggagc agccctttac acaggcagag atggcagccg 420
acatggaatt gctggtgggg aattatgctg aagctgaatt gtgtgagaag ctgaggccat 480
atgaaggacg aatatatc agaagt 506

<210> 18597
<211> 506
<212> DNA
<213> *Aspergillus nidulans*

<400> 18597
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cccatgggtt tctacgaaca ccaaatgcgc gcctacttca gtcaatttgg cgacatcacc 120
aagctccgcc taagccgtaa ccgccacacc ggcaaatcga agcactacgc cttcatcgag 180

ttcgccttctg aatctgtcgc caagattgtc gcggctacaa tggacaacta tctcatgtac 240
ggccatatcc tgaagtgcaa gtatgtcccc agcgagcaac tgcacccaga gctgtggaag 300
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aagggacgga cccgtgagaa ctggacgaag aatatcgaga aggagcagaa gaggcgtttg 420
gctaaggcgg agaagttgaa ggagttggga tatgagatag agctgccgga attgaagagt 480
gtggatgagg ttcctgtgca gaagcc 506

<210> 18598
<211> 507
<212> DNA
<213> *Aspergillus nidulans*

<400> 18598

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gcgtgtctgc gatgagatcg ctatcatccc ctccaagcgt cttcgcaaca aggttagtgc 120
acgaataaat cacggcttgg aagaagcgat cgataaggag acgaaaaggc taaccctggg 180
aattgcgttt agatcgctgg ttacaccacc cacctcatga agcgtatcca gcgtggccct 240
gtccgcggta tctccttcaa gctacaggag gaggagcgtg agcgtaaagga ccagtaogtt 300
cctgagatct ctgcgctcga cgtctcccag accgagtcgg gtcagctcga tgtcgactcc 360
gacaccaagg atctcctcaa gagcctcggc gtaagttcac tcttaaggcc actattatag 420
atgatgctgg gtcattggta atttggtact cgtagttcga caacctcaag gtcaacgttg 480
ttgctgttac ccagcagcag cccgagc 507

<210> 18599
<211> 507
<212> DNA
<213> *Aspergillus nidulans*

<400> 18599

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gcgttcaacg acggtcaggg agccggcccc gatgctttga ggccccgtat cgcccttgag 180
tgcactggag ttgaaagcag tgttgcattt gccatctgga gcgtcaaatt cggcggcaag 240

gtgttcgtga ttggagtcgg caagaatgag atgaagattc catttatgcg cctgagcact 300
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ctcgtaaaga atggtgtgat caaccttcag aagctagtta cccaccgcta cgcactggaa 420
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attatgagtt cgactgctga cgtcgaa 507

<210> 18600
<211> 507
<212> DNA
<213> *Aspergillus nidulans*

<400> 18600

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gtccaccgtg cagaagctga gcggcgc 507

<210> 18601
<211> 507
<212> DNA
<213> *Aspergillus nidulans*

<400> 18601

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gaattaccca caaaacaacc caccttcttt cagctggtaa gcgcaccgcg aagtttcaag 180
aagcaatgca acgccccaaa atcaaaattg tacggaaaga atggcttgta gatagcctac 240
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 agttcctagg cagtgatgat gagagcg 507

<210> 18602
 <211> 507
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18602

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 gatgtcctgc acaaccacgc gtgcgggtgc tctaagtgtc ggaagcccaa aggcagcatc 180
 ttctctgtcg tgggcgtcgt cccaacctcc gctttgagcg taactgcaa cgctccaaa 240
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<210> 18603
 <211> 508
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18603

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cccaatgacg gttgcttgaa cttcatcgat gagaacgacg aagtcctcct cgccggtttc 420
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<210> 18604
 <211> 508
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18604

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 ccgtcttgtg cagattgcta acggcgacgc cacttccta atccactccg ttcacgcccg 180
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<210> 18605
 <211> 509
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18605

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 cgttgcgaac gtgcaggggt cgtccgcccg tgcagggctc ggagaattcc atgtttacaa 180
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<210> 18606
 <211> 509
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18606

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 ttcatgcct ggtatgagt gtacccggac tacgcgtacg acttctccgg catcaccatt 180
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<210> 18607
 <211> 510
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18607

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 gacgatgaac gaatatccac agttattatc tatttgcatt ataatatctg ttgctgtaat 420
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510

<210> 18608
<211> 510
<212> DNA
<213> Aspergillus nidulans

<400> 18608

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tcatgtcac tcgtctattc aaaggctcaa ccaatataat gatctctgaa gactttattc 180
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gaaccctttc accgggattg gcagtcacaa gagactagcc cgggacaggg atttcataga 420
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<210> 18609
<211> 510
<212> DNA
<213> Aspergillus nidulans

<400> 18609

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cgtttgcctt tttcgtcctg gccgcaacgg caactgtaat cggcgcgcta ggttgcattc 180
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<210> 18610
 <211> 511
 <212> DNA
 <213> Aspergillus nidulans

<400> 18610

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<210> 18611
 <211> 511
 <212> DNA
 <213> Aspergillus nidulans

<400> 18611

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<400> 18613

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<213> Aspergillus nidulans

<400> 18614

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<210> 18615

<211> 513

<212> DNA

<213> Aspergillus nidulans

<400> 18615

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<210> 18616

<211> 515

<212> DNA

<213> Aspergillus nidulans

<400> 18616

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<210> 18617

<211> 516

<212> DNA

<213> *Aspergillus nidulans*

<400> 18617

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<212> DNA

<213> *Aspergillus nidulans*

<400> 18618

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18620
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<210> 18623
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<212> DNA
<213> Aspergillus nidulans

<400> 18623

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<210> 18624
<211> 522
<212> DNA
<213> Aspergillus nidulans

<400> 18624

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 <400> 18625

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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18626

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<400> 18627

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<400> 18628

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<210> 18629
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<212> DNA
<213> Aspergillus nidulans

<400> 18629

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<210> 18630
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<212> DNA
<213> Aspergillus nidulans

<400> 18630

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<210> 18631
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18631

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<210> 18632
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<400> 18632

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<210> 18633
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<213> Aspergillus nidulans

<400> 18633

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<210> 18634
<211> 525
<212> DNA
<213> Aspergillus nidulans

<400> 18634

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tccgatcat ttgaagtatc cgcttcatca gctgcttctc cgccatggga agtcttgccc 480

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<210> 18635
 <211> 525
 <212> DNA
 <213> Aspergillus nidulans

<400> 18635

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 cgcattataa cgagcagatt cgggaaattc tggcgtggga ggccgatcgc atagtcgtgg 360
 agaagagctg gacgacgagt tgaaggatat gcttgcgact tttcgcagga tccgcgacga 420
 ggaactggaa catctagatc atgctgttga gaatgattcc aaggaggcac agccgtacga 480
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<210> 18636
 <211> 526
 <212> DNA
 <213> Aspergillus nidulans

<400> 18636

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 agctcctcct ggcgcaatgt ctactggctc tcgctgggac tgcagtacct gatcttcttc 180
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 tcacccatga tcttcaaccc gatctactcg cgccttgtga tagacaaata cgtcaccacg 480
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<210> 18637
 <211> 526
 <212> DNA
 <213> Aspergillus nidulans

<400> 18637

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gtgatactgt ttggcgggta ctgagcttgg tacgttgaat ttgttgctt gacttcctt 420
ctcgggaagt tatgtagata agcggatgct aatacgtttg caggctggcc tgggtcaaacc 480
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<210> 18638
 <211> 526
 <212> DNA
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<400> 18638

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tagcgggtta taagatgccg actgtcttga gggtagcggg gggcgagatt cccaaggag 480
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<210> 18639

<211> 526
 <212> DNA
 <213> Aspergillus nidulans

<400> 18639

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cgccggtcct gccgtttcta cctgcgatgt agaacttga agcaacttgc gataagatag 180
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gcatacggag ttggagatgt tcgagaggtc acagctcggg acgccaccac atcgccact 360
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gttaacaaat aggaagttta tgctgcgata acgccgatga agcgaaatcg cttatcccca 480
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<210> 18640
 <211> 526
 <212> DNA
 <213> Aspergillus nidulans

<400> 18640

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cagcgaaaat gacagggtac caatgcaaat gggctgccac ggtattgggg tctcgcgaa 180
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tgtgggcaat ggctggaaga cgaatcgat cctagaggtc caatgccggc gcttagggat 480
ccgtcaggat gtgccagatg gaggattgct gccctttgtg cagtcg 526
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<210> 18641
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 <212> DNA

<213> Aspergillus nidulans

<400> 18641

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taagccagcc ttcccggtcg agtacctttt ggtcaccttg acgcacgggt tccctacgga 180
atcgaagcca cttttcattg acagcacata tccgattgaa aaccgcgagg tcataggcga 240
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aattcgggca gtatctgact tccatcttct gtgcttcctt cgcacgttct ctactttcag 360
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tacactccat gcttaggaag aagaagcact ctttgcctg gtagctacga ctcagaaccc 480
cacagacgga ctacaactca tcaatactcc cggatgggca acattgg 527

<210> 18642

<211> 527

<212> DNA

<213> Aspergillus nidulans

<400> 18642

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tccttgacga cgagctggac aacgcctcct ggttcggcct gggcccggga gaatcttacg 180
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cattccaatg ggtcgcgacg cggtagacgc ccgagctctg cgaacgtgca aaacacccaa 420
acgagctctc cccggagaag agagtccgcg ttaggctcga tgctcgagagc gcaggagtcg 480
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<210> 18643

<211> 528

<212> DNA

<213> Aspergillus nidulans

<400> 18643

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ttctcccttc aaccgaacgc caacacccgc gccgtacaac tccagagggtg gtcacccctg 120

attcaatcgt ggtgtcggca ccaccgcac tacaaaatca accttggtga agcaattgcc 180

tcgccgttat ttcggaacac gacgctgaag aagcagctgg ggctgagcga tgcgcggacc 240

gtgctggatt ggatgggtaa aggggaggag gaggggtgtg gagggcgacg agcggagtgg 300

gttgacggga ccaagaatat tgcgtggata tgggtggaggc ggccggaaga atgggcaggg 360

gttattgccg actgggtatg gctgcctttt tctcgagact gagatttgaa ggctgatgag 420

tttgtgctgc agattgagaa cacagggcag aagaatgtcg tcttacggtt tatgagttga 480

ttgaagggga ggctaccatt tctcagggtg tgctgtcaag actggtgg 528

<210> 18644

<211> 529

<212> DNA

<213> *Aspergillus nidulans*

<400> 18644

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atcggcacag tgcggagggg gaggatgata tgccggtatg caaccgctat gtttctaacc 300

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gaacggcaaa ttggcgacgg gaacgtggca gggcatttgg tacttggaat tccgggctat 480

gaggcatacg agaaagggtg ttgctactat tcagggggag aaggagtga 529

<210> 18645

<211> 529

<212> DNA

<213> *Aspergillus nidulans*

<400> 18645

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 accctccaag acagccagct gataagcaac ctattcagtc tcaacattga tgcagccctg 300
 ataacgcacc ataaagtctc ccaaacgaaa gaaaagctca ttcagctgca gaacgggtgt 360
 atatgctgta cattacgcgg ggacttgctc gccgagctgg cacggcttac caaacagaaa 420
 gaagttgatt acgttgatcat cgagagtacg ggtattagcg agccgatgca ggtagctgag 480
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<210> 18646
 <211> 530
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18646
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 gctgctctga cattctgctg gtcggtgttg gagcgccagg ttcgtattga aggcaagggt 480
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<210> 18647
 <211> 531
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18647
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cctgcgttat ctgcctggaa cccatcagcg aacccgctgt agcaatatct tgcaaccatg 120
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cagcttctctg atactttccc ttcaaccggg gtatcgtaa caggccatat caaccacat 360
ggctgactac ctcgaaatcc ccgtcggccg cgacgcgcgc gaagcccttc ctttcaaacg 420
cccaacgacc cctccttcg cagacagcat gtctaccgcc accggctcta ctccctccgt 480
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<210> 18648
<211> 531
<212> DNA
<213> *Aspergillus nidulans*

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<210> 18649
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<212> DNA
<213> *Aspergillus nidulans*

<400> 18649
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 ccttagtgac gaggatattg aggttctcgt tcatgttaca gaaggtatgt atcagttttg 480
 tcgtctccta taaaacagaa agaaaagact aaccaggcgt tgatggacag gc 532

<210> 18650
 <211> 532
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18650
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<210> 18651
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18652
 <211> 533
 <212> DNA
 <213> Aspergillus nidulans

<400> 18652

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<210> 18653
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18653

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ccactgttaa tgccgtgaac cccggccctg ttagcggcga catgtacttc aacactggcg 300
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<210> 18654
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 18654

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<210> 18655
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 <213> Aspergillus nidulans
 <400> 18655

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 ggaactactc ggacctgctg acttcgcgcg aagccaactt ggaggcgtac aatttctggc 180
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 gcttcgacgc cttgaccggc agcgctctag cgatcgatat catcggtgtc aacggcatgc 480
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 18656

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<210> 18657
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 <213> Aspergillus nidulans
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gagagctggg cgagctccat gtctctgcc caagtattat cccgggggtat ctgggtggag 420
 tttcagccca gtcgtttcac gacgaggatg ggccaagatg gttcaaaaca ggtgatgtgg 480
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<210> 18658
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18658

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 gagaagaggg gaggtcgctt gccgaggaag gtgtcaaggt cgcgaaacaga gtgcatgggg 480
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<210> 18659
 <211> 538
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18659

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 gcttgacaca atctcgctcg agcccagcgc caaattctgc gacggcgccc tctccaccag 420

cggtggcgag tacagcgcgc ttctgcccgt cagcgtcgac cgcgccaatg tcaattcaag 480
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<210> 18660
<211> 540
<212> DNA
<213> *Aspergillus nidulans*

<400> 18660
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gtcgaggaga tctgtagcgg atgcaaagcc cacggcgggt tctggaaggc atggcaggtt 480
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<210> 18661
<211> 540
<212> DNA
<213> *Aspergillus nidulans*

<400> 18661
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ggctcgtgct ttccgtaaat ggttaggtgc tcgggtgtgc gagaccgact ctcaggcgaa 480

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<210> 18662
<211> 540
<212> DNA
<213> *Aspergillus nidulans*

<400> 18662

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aagtccactg gtgccctcgg gttcctgggg aacggatttg gatataccct aggcgcgcta 180
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<210> 18663
<211> 540
<212> DNA
<213> *Aspergillus nidulans*

<400> 18663

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gatctcaaga atggcctacg acaatattgg ctttgtggag cccaagcggg ccaggtgga 480
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<210> 18664
 <211> 541
 <212> DNA
 <213> Aspergillus nidulans

<400> 18664

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 ctgacaattg aagctcaaat tgacggtaaa tcagactgtc tcacgtacgg tcaactccgc 180
 ctctaccctc cttaacacct ggacgcgcac cctgtctcaa acggaacata accaacgggt 240
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 gcttctcaga caacaagctg cggaaggcg ggaaagagaa cttcaacaac agagggaagc 360
 ggcggcacga aaggctgagg aggatgagag aaagagggca cagtcaacga gcaccagagg 420
 cacacggatt gtttccaggg gacgggtgat tcggagcgga ataggagggt caccgagtgt 480
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 c 541

<210> 18665
 <211> 541
 <212> DNA
 <213> Aspergillus nidulans

<400> 18665

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 gcttttgggc tggaggttgt tgctgggcag gaaggggaga tgccgccgga ggggcggagt 180
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541

<210> 18666
<211> 541
<212> DNA
<213> *Aspergillus nidulans*

<400> 18666

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541

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18667

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g 541

<210> 18668
<211> 542
<212> DNA
<213> Aspergillus nidulans

<400> 18668

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gg 542

<210> 18669
<211> 542
<212> DNA
<213> Aspergillus nidulans

<400> 18669

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taaaatttaa cggggcggt catattaacc actccctctt ctgggagaat ctggcaccgt 180
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atgCGtatta cttgcagtat ttgaataaca aggcggcgta tgtggagggt gtgtggaagg 480
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 ga 542

<210> 18670
 <211> 542
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18670

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 ga 542

<210> 18671
 <211> 542
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18671

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<210> 18672
 <211> 543
 <212> DNA
 <213> Aspergillus nidulans

<400> 18672

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<210> 18673
 <211> 544
 <212> DNA
 <213> Aspergillus nidulans

<400> 18673

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tgcacgaagc tcgggtacac cttgatgcag cgcagggatc gttcgtgacc gttgccagtg 360
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<210> 18674
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18674

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 cacattgacg tccctgacag caatgacggc gggctggagc tctcacgctc gcaaagacac 480
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<210> 18675
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18675

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<210> 18676
 <211> 546
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18676

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<210> 18677
 <211> 546
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18677

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<210> 18678
<211> 547
<212> DNA
<213> Aspergillus nidulans

<400> 18678
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<210> 18679
<211> 549
<212> DNA
<213> Aspergillus nidulans

<400> 18679
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gcacagacaa gtgacggaca gccattatcg aaccgtacac taatccatga cttgacgctg 180
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 aatgcaaaat tccagcattt tctgtcggtt aagaaacaag gcattcattt caatgacaag 300
 ttagccaact ctgtttctct caagaacccc agtttattga gccagatgat gcagcacgct 360
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 gacttgccga gctggggcta caaggaagag cttctgaaag cgcagaggga acttaatgct 480
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<210> 18680
 <211> 549
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 <213> Aspergillus nidulans
 <400> 18680

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<210> 18681
 <211> 551
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18681

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<210> 18682
 <211> 551
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18682
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 ccccgatctt ttgtcgagtg gaaccaagtc gtacaagatt cctcctccgc aatgtcttgc 480
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 atccgacgac c 551

<210> 18683
 <211> 551
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18683

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 ggacccagac gagattctag taacgcggtt tccggctacg tgctgatga tgcagacgct 180
 gcactccgcy gtgggctgaa ggaccttttc cccagtttgg gtgatcggcc ttggttgaat 240
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<210> 18684
 <211> 551
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18684
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 tgggtgaact ccaccacaac aggcgtgaac gatacgctca acaccttcgt ggataaaacg 180
 actggcgctc taaatgatac attcggcgga accctcctct acgacccct aaaggacgtg 240
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 tcaaacaaga tcacagaagt cgtctttcgc gtcaccagcy caattgagtc cggcatagcc 480
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 ctcatctgtg c 551

<210> 18685
 <211> 551
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18685

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ctgtcggatg aaaatgcgac agtccaccag gctcttataa cgcactggca ccacgaccat 180
gttggtggta ttccagactt actcagactg tgcctgaag taacaatcta caagcatcag 240
cccggagaag ggcaggtaga tattcaggat gggcaagtct ttcagggtga aggagcaacg 300
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tccaaggcgc tgattcggta atatatagat gttctaggcc atggaacagc agtggttgag 480
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taccocggtc a 551

<210> 18686

<211> 552

<212> DNA

<213> *Aspergillus nidulans*

<400> 18686

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caccagccct acccgccgac aaaatccaag gattggaaat catccactcc cctcacgggc 180
ctctcgaagc ccggaataag cttttacaca gcgtcattcg acctagatat caagtctggt 240
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acgctttggg cgttgagggg tagcggtagc aaattggata gctttaagtt ggtgcatgga 480
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aagggtgtct at 552

<210> 18687

<211> 552

<212> DNA

<213> Aspergillus nidulans

<400> 18687

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agtatctttc tccagcactg aaaacgatgc taaccccaaa agcgcttttg aactgcactg 180
gtttccacgg gaaatctcaa ccttagacac gcttcatttg cgcatgattt caggcctgta 240
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aacgccttgc ga 552

<210> 18688

<211> 552

<212> DNA

<213> Aspergillus nidulans

<400> 18688

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<210> 18689

<211> 553
 <212> DNA
 <213> Aspergillus nidulans

<400> 18689

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<210> 18690
 <211> 553
 <212> DNA
 <213> Aspergillus nidulans

<400> 18690

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<210> 18691
 <211> 553
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18691

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aatatcgagc ggattggaca aaagatgaaa tggacatgga tcttgatgaa gcagaagagg  420
atgacatcga cgagctcatg cgacggtgcc tgggattctc gaaattcagg agcaccaaga  480
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<210> 18692
 <211> 554
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18692

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ctcgtctcgg aagaccactc atctacagac gaaccacga gtctcgctac tagtacacga  180
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554

<210> 18693
<211> 555
<212> DNA
<213> Aspergillus nidulans

<400> 18693

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<210> 18694
<211> 555
<212> DNA
<213> Aspergillus nidulans

<400> 18694

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<211> 556
<212> DNA
<213> *Aspergillus nidulans*
<400> 18695

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<210> 18696
<211> 556
<212> DNA
<213> *Aspergillus nidulans*
<400> 18696

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<210> 18697
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18697

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<210> 18698
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18698

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aaagagcagc tgttttgt 558

<210> 18699
<211> 558
<212> DNA
<213> Aspergillus nidulans

<400> 18699
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<210> 18700
<211> 559
<212> DNA
<213> Aspergillus nidulans

<400> 18700
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aagtttttat acatttctt 559

<210> 18701
<211> 560
<212> DNA
<213> Aspergillus nidulans

<400> 18701

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<210> 18702
<211> 560
<212> DNA
<213> Aspergillus nidulans

<400> 18702

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<400> 18703

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<212> DNA
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<400> 18704

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 <211> 562
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18707

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<400> 18708

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 <213> *Aspergillus nidulans*

<400> 18709

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<400> 18710

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<210> 18711
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 <213> *Aspergillus nidulans*

<400> 18711

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<210> 18712
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18712

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<210> 18713

<211> 565

<212> DNA

<213> *Aspergillus nidulans*

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<210> 18714

<211> 565

<212> DNA

<213> Aspergillus nidulans

<400> 18714

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<210> 18715

<211> 565

<212> DNA

<213> Aspergillus nidulans

<400> 18715

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<400> 18716

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<400> 18717

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<400> 18718

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 <213> Aspergillus nidulans

<400> 18719

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<213> *Aspergillus nidulans*

<400> 18720

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18721

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<210> 18724
<211> 569
<212> DNA
<213> Aspergillus nidulans

<400> 18724

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gtggtgggaa ggaacttttg aagctttgtg acgcacggta atgccgcatt gcaagtgatg 480
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<210> 18725
<211> 569
<212> DNA
<213> Aspergillus nidulans

<400> 18725

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cgagaggaga tgtctcgttt agcagggcac gctggttcgg cactgatcg cgttaacgag 180
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<210> 18726
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18726

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 gcgtagctgt tgaagaggca gaggctacag gtgcggtcct tggaccttct cgcctagaga 480
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<210> 18727
 <211> 571
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18727

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<210> 18728
<211> 572
<212> DNA
<213> *Aspergillus nidulans*

<400> 18728

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<210> 18729
<211> 572
<212> DNA
<213> *Aspergillus nidulans*

<400> 18729

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gcattcacgc tcatttcgcc ggtcttcaga gtaacacagc tggcagtaca cccaccagca 180
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tgttgacccc gtttgcaag gtgaatagcg ttgtacctgg gagtcctgct gtccaagctg 300
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 gcctttccaa ggtggctgag ttggttcaac agaatgaaag cgtgagttac cgttggtctc 420
 ttcagtggca tcccgccgtc cggaccatac ccgactgact tgaatcgtct agcgccccat 480
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<210> 18730
 <211> 573
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18730

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<210> 18731
 <211> 574
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18731

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<210> 18732
<211> 575
<212> DNA
<213> *Aspergillus nidulans*
<223> unsure at all n locations
<400> 18732

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tgatgagtcg tatttttgcg gattttgatt acacatttga tttgagcgtg gctgacgaga 180
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<210> 18733
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<212> DNA
<213> *Aspergillus nidulans*
<400> 18733

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gcgtacggaa gaagccaacc gcgagctgcg gcccgcgcgag attgtcgccc tcttcgagga 180
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<210> 18734
<211> 576
<212> DNA
<213> Aspergillus nidulans

<400> 18734

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tctgttctat accgggacaa cctaataaaa atatcgatct atgcatccct ctacagtcca 180
cagaaccctgt cctccgcagc tgatggctgt tccaaccctt cctacctgct tgctatcagg 240
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caacaccgcc tatcgtcgag cgcttcagag cctgcacct cttcgatgac tcgccacaca 480
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<210> 18735
<211> 576
<212> DNA
<213> Aspergillus nidulans

<400> 18735

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 tttgccttcg tatttgtgtc ggtatcctta actgagacgc cactacagat attacactgt 480
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<210> 18736
 <211> 577
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18736
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<210> 18737
 <211> 577
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18737

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<210> 18738
 <211> 578
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18738
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 aaaattacgt cggcgattta ctaagtgact ggcgccgtgt gaatgtcgct ttcacaagag 420
 cccgcacgaa gctgctcgtc ctgggaagca agaataccct gcgcaacggt aatgagctcc 480
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<210> 18739
 <211> 578
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18739

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<210> 18740

<211> 578

<212> DNA

<213> *Aspergillus nidulans*

<400> 18740

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<210> 18741

<211> 579

<212> DNA
<213> Aspergillus nidulans

<400> 18741

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<210> 18742
<211> 580
<212> DNA
<213> Aspergillus nidulans

<400> 18742

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<210> 18743
 <211> 580
 <212> DNA
 <213> Aspergillus nidulans

<400> 18743

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<210> 18744
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18744

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<210> 18745
 <211> 580
 <212> DNA
 <213> Aspergillus nidulans

<400> 18745

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aagcggcggc atgaaagcga gagtgtattc ttcgacctga tggaatccgc tggattacat  540
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<210> 18746
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18746

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580

<210> 18747
<211> 581
<212> DNA
<213> Aspergillus nidulans

<400> 18747

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<210> 18748
<211> 582
<212> DNA
<213> Aspergillus nidulans

<400> 18748

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ctttcaccaa gctgagactt gaccttctcg ccaatccac gcatggcgcg caattccgca 180
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tcgtcggttac catcccatac ggcacggctg agccagctgt ctctagcttc gacgccgttt 480

acgagggtctc gggagacagt cttgactgga atattggaaa tgtggatgag aacagcgcat 540
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<210> 18749
<211> 582
<212> DNA
<213> Aspergillus nidulans

<400> 18749

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tggaagctgt gaacaagggt caagacggct ccaaatacga cctgattctt atggacatta 180
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<210> 18750
<211> 582
<212> DNA
<213> Aspergillus nidulans

<400> 18750

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gcacggaacg aatgggtttt cactgagctg atgaagcaat gcgttgctgc tggatgctgc 540
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<210> 18751
<211> 582
<212> DNA
<213> Aspergillus nidulans

<400> 18751

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gagcaggagc taggatctgc tctcgtgaac ggcgactata cctcattcca cccgaagaca 180
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<210> 18752
<211> 582
<212> DNA
<213> Aspergillus nidulans

<400> 18752

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aatcattact ctctcccttt tcattctgctg gaaaggctgg cggttgatct cggagctcaa 540
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<210> 18753
<211> 582
<212> DNA
<213> *Aspergillus nidulans*

<400> 18753

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<210> 18754
<211> 583
<212> DNA
<213> *Aspergillus nidulans*

<400> 18754

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cgtgccgccg tggagagagt ttattgtgga ctttgtcttt gcgctcttgg cccgagaaat 360
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 aatgcaccac aaatatacta cgcccgtagc ttcgcggggg agtatgcca tctgtgcaaa 480
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<210> 18755
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18755

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<210> 18756
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18756

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<210> 18757
<211> 586
<212> DNA
<213> *Aspergillus nidulans*

<400> 18757

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<210> 18758
<211> 586
<212> DNA
<213> *Aspergillus nidulans*

<400> 18758

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<210> 18759
<211> 587
<212> DNA
<213> *Aspergillus nidulans*

<400> 18759
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<210> 18760
<211> 587
<212> DNA
<213> *Aspergillus nidulans*

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<210> 18761
<211> 588
<212> DNA
<213> *Aspergillus nidulans*

<400> 18761

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<210> 18762
<211> 588
<212> DNA
<213> *Aspergillus nidulans*

<400> 18762

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gtttttcagc accagcgacc aggtcgagaa ctgcatcaaa ccatacaagt atgagattga 180
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<210> 18763
<211> 588
<212> DNA
<213> *Aspergillus nidulans*

<400> 18763
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caacgtcaag gaactgatta ctggcattgt caaatttgaa gacgccgagc aagcttttaa 540
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<210> 18764
<211> 588
<212> DNA
<213> *Aspergillus nidulans*

<400> 18764

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<210> 18765
 <211> 589
 <212> DNA
 <213> Aspergillus nidulans

<400> 18765
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<210> 18766
 <211> 589
 <212> DNA
 <213> Aspergillus nidulans

<400> 18766

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tgctactatt gaaccaggaa gcagcacttc cgacaggtec atagattcca tgtcaacca 480
ggaactatac cagttggcgc tggattttgt gctcagagag cgcagactag gagcaccatg 540
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<210> 18767

<211> 590

<212> DNA

<213> *Aspergillus nidulans*

<400> 18767

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ttggcgttct tagacggatt gagggacacc tatcggctca gtttggcggt gtttctggcg 540
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<210> 18768

<211> 590

<212> DNA
 <213> *Aspergillus nidulans*
 <400> 18768

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tctccctggc tgtgagattg cttatgtgac tgccattagg atgctggagg ctgttttgga   480
gacagacgaa gtgcagcctg tcaggaaggg cactgacaag gttacactgg acggcggtgca   540
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<210> 18769
 <211> 590
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18769

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gacatagcgg aattggcatg ctaacagact cagggacaaa ctgcgggaac aacaagccat   300
caacgacgaa atcgcgattg caatcacaaa cccgggggttc ggcgagcagg tggacgaaga   360
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cacaggcaca gtaccagttg cagatcagct caatcggtta cctgcgccag cgaatgcaga   480
acgtaaggct ctccctttcc cacctcaaaa gcgaactccg actgacagcc ttccagccgc   540
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<210> 18770
 <211> 591
 <212> DNA
 <213> Aspergillus nidulans

<400> 18770

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 cagggtggccg tcacccgcac ggagacaaca cgcctcacgg gcacgggtgt taagggtctcc 180
 cagacagcga cgtagggcaa agaaccgcag cagtagacat tcaagtttcg tcctgacgga 240
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 tttcagacag caaaaccacc aagttgtttc ctacagcatca ggcgccagtt ggaacaagga 480
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<210> 18771
 <211> 591
 <212> DNA
 <213> Aspergillus nidulans

<400> 18771

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 ccagtagcggc attttgcgcc gtactggttc tcgaactttg gcgcgatcat gctaattggg 180
 gacatcaaaa atgtcaatga tgtccaggag atggacggca atgtgaattg ggccaaagtc 240
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 gcctatctag attgggccgc tcggctgggtt tgtgttatgt cgcccaaaac cgaagtgtctg 420
 tgttgacaag ccagggatac acatatgccg tcttcaacct catctatgaa agcaatgttg 480
 cctcatgccg actttgggaa ggtctcggct tcaagcggat tggtagagtg cccaatgcag 540
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<210> 18772
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18772

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cactgacaag caagaggtcg cttttgagtg gatgatcgcg atatctggcc tttcgtctat  540
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<210> 18773
 <211> 592
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18773

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gtcaagaacc ccgtcaacgg cgaggatcag caattggctg tcaaggctct taacgagttc  180
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ccggttcagc cgccgctcac gtcgtcttgg gtgttgctgg atacaagccc cggaattcg  420
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gcatccgtgc cttgatgcg gacgaggagg aggacaaggt caccaagtac atcttggtta  540

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<210> 18774
<211> 593
<212> DNA
<213> Aspergillus nidulans

<400> 18774

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ctccaacccc ccctctaagc tataggggtg cttcaatccc tttatcacag cttggtaacgc 180
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ttttatttca ggaagccaga gacctgattt tgttgagaaa taaggaaata ggggcaagat 480
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<210> 18775
<211> 593
<212> DNA
<213> Aspergillus nidulans

<400> 18775

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gaatacagtc tgtggtcgtc acccaatcgg tgttattatg gctgccattg aagccgctgg 480

aaagcaggaa ggaggaaagg gcaagtttca ctttgctcgt tacgagcgca gctcggatat 540
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<210> 18776
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18776

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<210> 18777
 <211> 595
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18777

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gtgggttattt cgctgcgaaa caacatggta agtcccagcc aggccattac cgtctgtcca 480
 cggcctttgt tgacttagtg cacttagttc gaacttgcac ctgcctcgt tgggtgtctac 540
 aaggtcaacc acatgaccaa gagcgtgaca atcgaaaaca aagattatat cacgg 595

<210> 18778
 <211> 595
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18778
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18780
 <211> 596
 <212> DNA
 <213> Aspergillus nidulans

<400> 18780

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 cgttcatagc tttacaggga caatggagga gatgcaaaga ctggtcgcac ttggtctgga 180
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<210> 18781
 <211> 596
 <212> DNA
 <213> Aspergillus nidulans

<400> 18781

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<210> 18782
 <211> 597
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18782

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<210> 18783
 <211> 598
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18783

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 aggccggcct caaatacggc gtcagtatca ccgacgcctg tatcaattgg gaagacaccg 540
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<210> 18784
 <211> 599
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18784

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 atggcagtgc tgcaacgacc gttaagaagg aaggctcgca aaaggaatac ctaccgtatc 240
 ccccgggata cacgggatac cctacgatcg ccatgctcac agccgcccgc aatcaaagtg 300
 gtatcacgcc cgtcgcctt ggccaagaaa gcgtcaccca gctgctcgag atgctctgtt 360
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<210> 18785
 <211> 599
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18785

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<210> 18786
 <211> 599
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18786
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<213> Aspergillus nidulans
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<210> 18791
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<212> DNA
<213> Aspergillus nidulans
<400> 18791

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 <213> Aspergillus nidulans
 <400> 18792

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 <213> *Aspergillus nidulans*

<400> 18793

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 <213> *Aspergillus nidulans*

<400> 18794

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<210> 18795
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<212> DNA
<213> Aspergillus nidulans

<400> 18795

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<210> 18796
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<212> DNA
<213> Aspergillus nidulans

<400> 18796

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 <213> *Aspergillus nidulans*

<400> 18798

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<212> DNA
<213> Aspergillus nidulans

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<212> DNA
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<213> Aspergillus nidulans
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<400> 18803

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<212> DNA
<213> Aspergillus nidulans

<400> 18805

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<213> *Aspergillus nidulans*

<400> 18809

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<400> 18810

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 <213> Aspergillus nidulans

<400> 18811

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 <212> DNA
 <213> Aspergillus nidulans

<400> 18812

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<210> 18813
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<212> DNA
<213> Aspergillus nidulans

<400> 18813

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<210> 18814
<211> 610
<212> DNA
<213> Aspergillus nidulans

<400> 18814

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<210> 18815
<211> 611
<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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<400> 18818

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<210> 18820
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18820

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<210> 18823
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<212> DNA
<213> Aspergillus nidulans

<223> unsure at all n locations
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 <212> DNA
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<210> 18826
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<212> DNA
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<210> 18827
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<212> DNA
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<212> DNA

<213> *Aspergillus nidulans*

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<210> 18832
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 <213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

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<400> 18836

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<210> 18837

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<212> DNA

<213> *Aspergillus nidulans*

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 <212> DNA
 <213> Aspergillus nidulans

<400> 18838

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<400> 18842

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<213> *Aspergillus nidulans*

<400> 18843

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<213> *Aspergillus nidulans*

<400> 18845

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<210> 18846

<211> 623

<212> DNA

<213> *Aspergillus nidulans*

<400> 18846

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<210> 18847
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<400> 18847

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<210> 18848
 <211> 625
 <212> DNA
 <213> Aspergillus nidulans

<400> 18848

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aatcccttga tccctgccgc cgctctggac acgctccaat ccaccctcga caagctctcc 480
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actgtcctct ctcaatctcg cctcacacgc cggccactcc tcttgacaaa ccacagacca 540
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<210> 18849
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18849

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<210> 18850
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18850

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<210> 18851
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18851

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<210> 18852
 <211> 627
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18852

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gaatagcgaa ctaactggta tcagaaaaat gctatggatg ctgttttggc cagcatggac 480
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<210> 18853
<211> 627
<212> DNA
<213> *Aspergillus nidulans*

<400> 18853
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<210> 18854
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<212> DNA
<213> *Aspergillus nidulans*

<400> 18854

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<210> 18855

<211> 628

<212> DNA

<213> *Aspergillus nidulans*

<400> 18855

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<210> 18856
 <211> 629
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18856

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cagaatcctg ggcattgcagg aactgttttc ggtcatcttc tctggcctta atttccttgc  180
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<210> 18857
 <211> 630
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18857

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<210> 18858
 <211> 630
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18858

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<210> 18859
 <211> 631
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18859

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<210> 18860
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18861
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 <213> *Aspergillus nidulans*

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<210> 18862
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18863
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18863

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<210> 18864

<211> 632

<212> DNA

<213> *Aspergillus nidulans*

<400> 18864

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<210> 18865
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 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 18865

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<210> 18866
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 <212> DNA
 <213> *Aspergillus nidulans*

 <400> 18866

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 <213> Aspergillus nidulans
 <400> 18867

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 <213> Aspergillus nidulans
 <400> 18868

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<212> DNA
<213> *Aspergillus nidulans*

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<210> 18872
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<212> DNA
<213> *Aspergillus nidulans*

<400> 18872

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<210> 18873

<211> 638

<212> DNA

<213> *Aspergillus nidulans*

<400> 18873

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<210> 18874
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18874

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<210> 18875
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18875

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 <213> Aspergillus nidulans

<400> 18876

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 <212> DNA
 <213> Aspergillus nidulans

<400> 18877

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<210> 18878
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18878

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 <212> DNA
 <213> Aspergillus nidulans

<400> 18879

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 <212> DNA
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<400> 18881

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<210> 18882

<211> 643

<212> DNA

<213> *Aspergillus nidulans*

<400> 18882

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<400> 18883

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 <213> Aspergillus nidulans

<400> 18884

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<210> 18887
 <211> 645
 <212> DNA
 <213> Aspergillus nidulans

<400> 18887

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 <212> DNA
 <213> Aspergillus nidulans

<400> 18888

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 <213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*

<400> 18890

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<210> 18891

<211> 648

<212> DNA

<213> *Aspergillus nidulans*

<400> 18891

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 <212> DNA
 <213> Aspergillus nidulans

<400> 18892

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<210> 18893
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18893

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 <213> *Aspergillus nidulans*

<400> 18894

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<210> 18895
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 <213> *Aspergillus nidulans*

<400> 18895

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<210> 18896
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 <213> *Aspergillus nidulans*
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<210> 18899
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 <213> *Aspergillus nidulans*

<400> 18899

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<210> 18900

<211> 653

<212> DNA

<213> *Aspergillus nidulans*

<400> 18900

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<210> 18901
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 <213> Aspergillus nidulans

<400> 18901

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 <213> Aspergillus nidulans

<400> 18902

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<210> 18903
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 <213> Aspergillus nidulans
 <400> 18903

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<210> 18904
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 <400> 18904

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<400> 18905

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<210> 18906
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 <213> Aspergillus nidulans

<400> 18906

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 <213> *Aspergillus nidulans*

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<210> 18908
 <211> 658
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 <213> *Aspergillus nidulans*

<400> 18908

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<210> 18909

<211> 658

<212> DNA

<213> *Aspergillus nidulans*

<400> 18909

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<210> 18910
 <211> 658
 <212> DNA
 <213> Aspergillus nidulans

<400> 18910

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<210> 18911
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18911

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tctcccgtct acctgcctca caccgtggc cgctacgccg ccaagcgctt ccgcaaggct 180
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aagaagctca tggctgttcg cattgttgcc cagcgtttcg agatcgtatg tgtaccaca 300
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cccgtaaga cagcactcgt atcggttccg ctggtaccgt ccgtcgccag gccgtcgatg 480
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<210> 18912
 <211> 659
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18912

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<210> 18913
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 18913

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<210> 18914
 <211> 660
 <212> DNA
 <213> Aspergillus nidulans

<400> 18914

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<210> 18915
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18915

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<212> DNA
<213> *Aspergillus nidulans*

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<210> 18917
<211> 660
<212> DNA
<213> *Aspergillus nidulans*

<400> 18917

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<210> 18918

<211> 661

<212> DNA

<213> *Aspergillus nidulans*

<400> 18918

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<210> 18919
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 <213> *Aspergillus nidulans*

<400> 18919

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<210> 18920
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 <213> *Aspergillus nidulans*

<400> 18920

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<210> 18921
 <211> 662
 <212> DNA
 <213> *Aspergillus nidulans*

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 tg 662

<210> 18922
 <211> 664
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18922
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<210> 18923
 <211> 664
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18923
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<400> 18924

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<400> 18925

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<210> 18927
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<213> Aspergillus nidulans

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<210> 18928
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<213> Aspergillus nidulans

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<210> 18929

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<210> 18930
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18930

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<212> DNA
<213> Aspergillus nidulans

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<210> 18932
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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<210> 18935

<211> 671

<212> DNA

<213> Aspergillus nidulans

<400> 18935

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<212> DNA
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<400> 18936

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<211> 672
<212> DNA
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<400> 18937

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<210> 18938
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 <212> DNA
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<400> 18939

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<210> 18940

<211> 673

<212> DNA

<213> *Aspergillus nidulans*

<400> 18940

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<210> 18941
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18941

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<210> 18942
 <211> 673
 <212> DNA
 <213> Aspergillus nidulans

<400> 18942

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<211> 674
<212> DNA
<213> Aspergillus nidulans

<400> 18943

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ccggctcgat tggcgggtgt gaagtgtacg gtacgcatag agtcgcaccg tatgcgatta 240
gcaaggcagg agtaaatatg gttacgggtgt tagtgccac tacctgtgtt ttccgctctg 300
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aatacggtcg aggaggcgat tacgaagacc ttggctgcgg tgagtgtcag aacatacttg 600
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cgacagattg acag 674

<210> 18944
<211> 674
<212> DNA
<213> Aspergillus nidulans

<400> 18944

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ggtttgcgct atctaccatg tgtgacttca tgcgctaaca gtgcctaggt ggccctttca 180
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tcagtgtgat cagcattgac cacctcccgt cgcttctccc gcgtgaaagc tccgagatgt 600
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ggaagcaggc cgag 674

<210> 18945
<211> 674
<212> DNA
<213> *Aspergillus nidulans*

<400> 18945
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aaggattgtg aacaggcata tttcaagatg cagggagtct tgatagatga ccaccgaatc 540
catgtggact tttctcagag tgtgagtagc cgcctctgca gcgtccttcg atccaatatt 600
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<210> 18946
 <211> 675
 <212> DNA
 <213> Aspergillus nidulans

<400> 18946

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 ttattaccg acgattgaga acaccttcag tcaaatcatc aaatacaacg gtcaggatta 180
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 gcaaacgcta accctgagca ccaggatgag tacagtatat tgaactcaaa acatttcac 300
 gggattcatg gatataattat tgcctattcc gtggcgctccc gccaatcttt tgatatggta 360
 agggatcatca gggacaagat actgaatcat ctcgtaagtt ttccatgttt acaatcaatg 420
 ctttcttgca ctgaagcatt attgtaggga gcggactatg ttcccctggg cgttgtgggg 480
 aataagagt acctcaagcc tgaacagcgc caagtttct tagacgaagg ccgacagtta 540
 ggtgaagagt ttcgctgtgc atttacggaa gctagtgtc gtcttgattt caacgttgcg 600
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 gtggttaaaa atgtg 675

<210> 18947
 <211> 675
 <212> DNA
 <213> Aspergillus nidulans

<400> 18947

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 gagaaggcat gcgttcctgc taatgtcact gcggactcgt actgacttcg tttgaacagt 180
 tcatctatcg ccttggacga tgccctgagc tttgcctggg cctgttcact cttccgattc 240
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gctcaacagt tgttgatggg gagactgttg gtcacgacga gtatggaagc acaattgcaa 420
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<210> 18948
<211> 676
<212> DNA
<213> *Aspergillus nidulans*

<400> 18948
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gatcgctatg tcgacccggc gacacatcgt cttcatacga cccggattca tctgaagaag 180
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tccgggcaga gctatatact agagaccaca gttgtcgatg ttaaggaagg ctggatggag 300
tccgagtccc gcaacatgga atggactgga atattaagt tagtggaag gcaagtctat 360
cgacgccagc cattggaggg aagtcaagag aagcttgacg gtctctcgct cgatgacaag 420
cgaactgaac gaaccacggt gaataccact gttaccttcc gctcccgtt cggacagggg 480
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gggcttaacc gtactcgcga tgccattcta aagagcaagc aaggaatgaa tgctgttctt 660
gagcgactgc gcagcg 676

<210> 18949
<211> 676
<212> DNA
<213> *Aspergillus nidulans*

<400> 18949
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 ccactgttcc cgttcttcag caacttttaa atggcccaa tgtccgcgcc gatattgaca 360
 agacgctatt ctcgatggtc acgccagaga tagatgggct tctaccggtt ccgaagaaag 420
 gtgaagccct gatggatgcg atcattgtcg gcattgagac acacatttgt gtgacgcaga 480
 caacactcga tctgctggag cgcgggcatc gagtgtatgt tcttggtgac ggtgtaagca 540
 gtatcaacgc ggaggagagg gggattgcgc ttgcaagggt gcgggatgcg ggagcgattg 600
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<210> 18950
 <211> 677
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 18950

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 gctttgtttt aattaaacag tcggattccc cttgtccgta ccagttctga gctgactgtt 480
 cgacgcccgg ggaaagctcc cgagagagcc gttcccagtc cgtcccccg cgggcacgcg 540
 gcgaccncgt ctgcgcgcg aagcagctcg agcagtcgc tgacagccga cgggttcgga 600
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 ttgccgactt cccttgc 677

<210> 18951
 <211> 678
 <212> DNA
 <213> Aspergillus nidulans

<400> 18951

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 ctaacatgct tgttcaaaat aacagagaag aggccgaagc caagaaggcc gaggccgctc 240
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 ccaagaataa caaatcagcc gctaagaaga acgctccctc tcggggaaca ctcaaccttg 360
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 tgcggctgtg agggagggc 678

<210> 18952
 <211> 678
 <212> DNA
 <213> Aspergillus nidulans

<400> 18952

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<210> 18953
<211> 678
<212> DNA
<213> *Aspergillus nidulans*

<400> 18953

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gtaagcaaac tcgggatctg tttggctttt tatgtggtta acagcacgat agactttacc 660
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<210> 18954
<211> 679
<212> DNA
<213> *Aspergillus nidulans*

<400> 18954

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cagagacttt cagagcacat gcctcgcgcc tcgacatcct gatcctgaac gcaggcgtca 180
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<210> 18955
 <211> 679
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18955

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<210> 18956
 <211> 679
 <212> DNA
 <213> Aspergillus nidulans

<400> 18956

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<210> 18957
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18957

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tccttggtat caaggaagtg aagaaaggtg gtggcttggc aattgaagag ggtaagaaac 540
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<210> 18958
 <211> 681
 <212> DNA
 <213> Aspergillus nidulans

<400> 18958

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<210> 18959
 <211> 682
 <212> DNA
 <213> Aspergillus nidulans

<400> 18959

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<210> 18960
 <211> 683
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18960
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<212> DNA
<213> *Aspergillus nidulans*

<400> 18961

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<210> 18962
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<212> DNA
<213> *Aspergillus nidulans*

<400> 18962

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<210> 18963
 <211> 684
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18963

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<210> 18964
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18964

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18965
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<210> 18966
<211> 687
<212> DNA
<213> *Aspergillus nidulans*

<400> 18966

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<210> 18967

<211> 687

<212> DNA

<213> *Aspergillus nidulans*

<400> 18967

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<210> 18968
 <211> 690
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18968

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<210> 18969
 <211> 690
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18969

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<210> 18970
 <211> 691
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 18971
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18971

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<210> 18972
 <211> 692
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18972

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692

<210> 18973
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<212> DNA
<213> Aspergillus nidulans

<400> 18973

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<212> DNA
<213> Aspergillus nidulans

<400> 18974

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<210> 18975
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<212> DNA
<213> *Aspergillus nidulans*

<400> 18975

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<212> DNA
<213> *Aspergillus nidulans*

<400> 18976

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<210> 18977
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 18977

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<210> 18978
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18978

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tgaccgcgac gagaagaatc tcaactgcgt caactttccc gagtttgccc aggccggggc  540
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<210> 18979
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18979

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tctcgcatcc aggagacgcg tgagcgtctc cagaacgagc tgcgcacggc ctttcagtcc  180
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gaggcactga ggggtctacc gcctgttcgc cttggaggag cgcgcacctc gcctgggtgt  300
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cggcgagtagc ttcaaaaacc cttacaaatt tgcccctgag cgctgggtca accccgagtc 480
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 <212> DNA
 <213> Aspergillus nidulans

<400> 18980

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<210> 18981
 <211> 697
 <212> DNA
 <213> Aspergillus nidulans

<400> 18981

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<210> 18982
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18982

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<210> 18983
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18983

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<210> 18984
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18984

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tgaagtactt ccggccagag gaagaccag gtgcccgg 698

<210> 18985
<211> 701
<212> DNA
<213> *Aspergillus nidulans*
<400> 18985

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<210> 18986
<211> 703
<212> DNA
<213> *Aspergillus nidulans*
<400> 18986

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<210> 18987
 <211> 703
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18987

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<210> 18988
 <211> 703

<212> DNA
 <213> Aspergillus nidulans
 <400> 18988

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<210> 18989
 <211> 703
 <212> DNA
 <213> Aspergillus nidulans
 <400> 18989

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<210> 18990
 <211> 704
 <212> DNA
 <213> Aspergillus nidulans

<400> 18990

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<210> 18991
 <211> 704
 <212> DNA
 <213> Aspergillus nidulans

<400> 18991

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<210> 18992
 <211> 704
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18992

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<210> 18993
 <211> 704
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18993

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<210> 18994

<211> 705

<212> DNA

<213> *Aspergillus nidulans*

<400> 18994

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<210> 18995
<211> 705
<212> DNA
<213> *Aspergillus nidulans*

<400> 18995

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<210> 18996
<211> 706
<212> DNA
<213> *Aspergillus nidulans*

<400> 18996

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<210> 18997
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18997
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<210> 18998
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 18998

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<210> 18999
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 18999

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<210> 19000
<211> 707
<212> DNA
<213> Aspergillus nidulans

<400> 19000

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<210> 19001
<211> 708
<212> DNA
<213> Aspergillus nidulans

<400> 19001

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<210> 19002
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19002

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<210> 19003
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19003

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<210> 19004
<211> 708
<212> DNA
<213> Aspergillus nidulans

<4> 34

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<210> 19005
 <211> 709
 <212> DNA
 <213> Aspergillus nidulans

<400> 19005

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<210> 19006
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 <213> Aspergillus nidulans

<400> 19006

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<210> 19007
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<212> DNA
<213> Aspergillus nidulans

<400> 19007

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<210> 19008
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<212> DNA
<213> Aspergillus nidulans

<400> 19008

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<210> 19009
 <211> 712
 <212> DNA
 <213> Aspergillus nidulans

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 <212> DNA
 <213> Aspergillus nidulans

<400> 19010

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 <213> Aspergillus nidulans

<400> 19011

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<213> Aspergillus nidulans

<400> 19012

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<210> 19013
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<213> Aspergillus nidulans

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 <213> *Aspergillus nidulans*

<400> 19014

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 ttcttatgtg agttcatcat tcgacccta tgaagttcaa ggttgatgct aacgagatct 180
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 cggttgcatc ttctcggct catcaaggta agtgctttga ctggtacatc ttgctagcaa 480
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 catatggtat cccgattgcg ataaattgct taaggggcag gcaaatgatc cccgagagag 600
 cgtttggtta tgcacaggct ctgcgctgga tggtaacct ggtaaattaa caatatcccc 660
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<210> 19015
 <211> 714

<212> DNA
 <213> Aspergillus nidulans
 <400> 19015

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 actacacaca gtccttttgc tccgcgccac ctccgcccgc tatgcaagtg tcctctccgc 180
 cgcgcccttc gttactaccg ccgcagacgg caccacaacc cccaatttcg acattatctt 240
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<210> 19016
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 19016

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 ccagatgatg accaggtact ggggcatctg gtttccccgc gactccttca gctcgggctt 180
 cacatggatg ctctaatgc tcttcgagct tttctatgtc tctttcggac agttcattgc 240
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<210> 19017
 <211> 715
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19017
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 ctccaggaac tccttgcctt ctgtcaaaaa ctaatgtaaa ccagacgtct ggacccatgg 180
 cgacttcac tccatccac cgatcacaaa gcaaattctt tttctcgcc gctctgatgg 240
 cgtgctaaac cctcttgga tccggttcgg ttccgccgaa atctataacg tgattgagac 300
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 gatcgaacga gttaaggagg ctatcaggaa ggctctgagt gcgaggcatt tgccgaaata 480
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 tgaatctcaa aaaggttgag ttgcctgtga aacaaatagt ttctgggaag aagataaagc 660
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<210> 19018
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19018
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 cgctatcaag tacggctacg tccagcggtg caataaggcg ctggtcgacg atatcaagag 180
 cgacctctcc ggcaagacgg agaaattctt cctcatgctc ctgaacgccg tgcggcccga 240

gagcgggacc tacttcgacc aggcgagcgt cgacaaagat gtgcacgagc tgcacctcgc 300
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cgatcagaag cttgttgcaa tttcgcaagc ctttgaagca aagtaccaca tctcgctcga 420
gaagacgata aaggatgaat tcagcgggca tctggagaaa gccctccttg ccattctggc 480
cagagcaaag gatccgctga agttcgacgt cgaaactatg ctggctattg tgccgccggg 540
cggcgtcaag gcagatatca agaggctgat ctactgggtg gtccggttgc attggaaccc 600
gccatatctt gcgcagatta aggaggcgt ccagaagcgg acggggagta actttgggaa 660
gagaattagg ggggctctgc cgggcgggga tctgacagag gcggtgctgc gggttt 716

<210> 19019
<211> 716
<212> DNA
<213> Aspergillus nidulans

<400> 19019

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gtcgccggcc gaattgcgt ctttgaaaat acccccagag cttcgattcc tcgtgcctcc 180
agagattcct tcggagcagt atagcatctt tggggaagtt cagaatgtga ggcgccgaaa 240
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gcacaaaaga cgaaatacaa cagatggaca agctgaaaga agaagtaaac gccgtattgg 660
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<210> 19020
<211> 717
<212> DNA
<213> Aspergillus nidulans

<400> 19020

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gaagcaccac ctggaggccc ttacacagcc gtcagcgcga catttacgt gcccaagccg 180
acagccgcgc caaatacagc agggttgcag gcaggttcgg catgggtagg cattgacggt 240
gacacataca gcggggcgat actgcagact ggcgtggact ttacataga caacggacgt 300
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gctgatgcga cgttgaaagg ggtgaatgcg gattggattg tcgaggattt ccagtctggc 540
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gcacagaatg gagattcatt ggggttggac ggttcaacta tcattgaact caaacagaac 660
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<210> 19021

<211> 718

<212> DNA

<213> *Aspergillus nidulans*

<400> 19021

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tgttagccat ttatctgaag ccttaacaaa tcctttacca gactatattc aggctgcaaa 180
cagggtcatt atatacctat atacaacata ttttctggca attaaatact caggcaacaa 240
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caagcaacaa tctaagctct gttatgttga catatataga tcctggcttt gtcaagaggt 600

tcaggaaggc caactctatg ttaaatagat acctaccaac cagatgatca cggatggcct 660
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<210> 19022
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 19022

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 tccaccggtt ggtctccaga ggcgcaccac cagaaatcac tttcatggcc ctgcaacccc 180
 agtctccagt atccgttgat ggagtggacg cctttgacga agagacctgg gttcgcacat 240
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 ttgctgctgt gaaaagcgcg ctggagagcc atggctcttg cgggatcatc aatgaagagc 420
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 aggcttgctg gtgccggttt gggcagggca accgggagga gtgtgagaag gagagtccgg 660
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<210> 19023
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 19023

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 tgtcggcggt cacttaaggc ggaatatcag cagctacggg attggattca atgtgacgga 600
 ggagccgatg tggtttttcc ggcagatcgt ggcgtgtgga cttgagggga gggaggcaac 660
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<210> 19024
 <211> 719
 <212> DNA
 <213> Aspergillus nidulans

<400> 19024
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 ttgcctaacg ttagcgccca agtgaaccag tccgtcaatt cccgggcaac cgcctcccct 180
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19025

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<210> 19026
<211> 719
<212> DNA
<213> *Aspergillus nidulans*

<400> 19026

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<210> 19027
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19027

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caagtacctc tggaatggct ggctgtgccg gcaagaaggc aaccaacca actttgtccc 660
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<210> 19028
<211> 719
<212> DNA
<213> *Aspergillus nidulans*

<400> 19028

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 acaagagcaa cccgccggag aatgttgctg accgtgcca ttggacacag cttttcgtcc 660
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<210> 19029
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19029

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<210> 19030
 <211> 720
 <212> DNA
 <213> Aspergillus nidulans

<400> 19030

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cgccttcagg tgcaggagcg cttaacgaaa cagggtgccc tcgctatttc agaagtctc 660
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<210> 19031
<211> 720
<212> DNA
<213> Aspergillus nidulans
<400> 19031

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ccgtgaagcc gtgtctgact acaacggcgc caccagccgt acctgggaaa ttcaaaacac 180
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<213> *Aspergillus nidulans*

<400> 19036

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<210> 19039
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<400> 19041

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<212> DNA
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<400> 19049

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<400> 19050

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<400> 19051

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 <213> *Aspergillus nidulans*

<400> 19053

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<400> 19054

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 <213> Aspergillus nidulans

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<400> 19056

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<400> 19057

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 <213> Aspergillus nidulans

<400> 19059

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<400> 19062

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<210> 19063

<211> 732

<212> DNA

<213> *Aspergillus nidulans*

<400> 19063

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<210> 19064
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 <213> *Aspergillus nidulans*

<400> 19064

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<400> 19065

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 <213> *Aspergillus nidulans*
 <400> 19066

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<210> 19067
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<212> DNA
<213> Aspergillus nidulans

<400> 19067

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<210> 19068
<211> 734
<212> DNA
<213> Aspergillus nidulans

<400> 19068

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<210> 19069
 <211> 734
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 19070
 <211> 735

<212> DNA
 <213> Aspergillus nidulans

<400> 19070

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gatgccgcta ctcgacgaga cgtaaagta acgcggttcc gagaggagaa ggagctcaaa  180
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<210> 19071
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19071

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<210> 19072
<211> 736
<212> DNA
<213> Aspergillus nidulans
<400> 19072

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<210> 19073
<211> 738
<212> DNA
<213> Aspergillus nidulans
<400> 19073

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<210> 19074
<211> 738
<212> DNA
<213> *Aspergillus nidulans*
<400> 19074

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<210> 19075
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<212> DNA
<213> Aspergillus nidulans

<400> 19075

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<210> 19076
<211> 741
<212> DNA
<213> Aspergillus nidulans

<400> 19076

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 <400> 19077

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<210> 19078
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19078

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 <213> Aspergillus nidulans

<400> 19079

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<213> Aspergillus nidulans
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<210> 19082
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<400> 19082

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<210> 19083
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<212> DNA
<213> Aspergillus nidulans

<400> 19083

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<400> 19084

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<400> 19086

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<210> 19087
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 <213> Aspergillus nidulans

<400> 19087

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<211> 745
<212> DNA
<213> Aspergillus nidulans

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<212> DNA
<213> Aspergillus nidulans

<400> 19089

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<210> 19090

<211> 745

<212> DNA

<213> *Aspergillus nidulans*

<400> 19090

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<210> 19091
 <211> 746
 <212> DNA
 <213> Aspergillus nidulans

<400> 19091

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<210> 19092
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19092

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 <400> 19093

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<400> 19094

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<210> 19095
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19095

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<210> 19097
<211> 750

<212> DNA
 <213> Aspergillus nidulans
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 19098

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<210> 19099
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 <213> Aspergillus nidulans

<400> 19099

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<210> 19100
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 <213> Aspergillus nidulans

<400> 19100

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 <213> *Aspergillus nidulans*
 <400> 19101

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<210> 19102
 <211> 754
 <212> DNA
 <213> Aspergillus nidulans

<400> 19102

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<210> 19103
 <211> 755
 <212> DNA
 <213> Aspergillus nidulans

<400> 19103

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<210> 19104
<211> 755
<212> DNA
<213> Aspergillus nidulans

<400> 19104

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<210> 19105
 <211> 756
 <212> DNA
 <213> Aspergillus nidulans

<400> 19105

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<210> 19106
 <211> 756
 <212> DNA
 <213> Aspergillus nidulans

<400> 19106

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<210> 19107
<211> 756
<212> DNA
<213> Aspergillus nidulans
<400> 19107

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<210> 19108
<211> 758
<212> DNA
<213> Aspergillus nidulans
<400> 19108

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<210> 19109
 <211> 758
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19109

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<210> 19110
 <211> 761
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19110

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<210> 19111
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 19111

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<210> 19112
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19112

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<210> 19113
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19113

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<210> 19114
 <211> 764
 <212> DNA
 <213> Aspergillus nidulans

<400> 19114

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 19116
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19116

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<210> 19117

<211> 766

<212> DNA

<213> *Aspergillus nidulans*

<400> 19117

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<210> 19118
 <211> 767
 <212> DNA
 <213> Aspergillus nidulans

<400> 19118

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<210> 19119
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19119

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gtttgatatc actcggggcg cgtttatttg aatggagacg gacacagaca gcaagaagcg 720
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<210> 19120
<211> 767
<212> DNA
<213> Aspergillus nidulans
<400> 19120

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767

<210> 19121
<211> 769
<212> DNA
<213> Aspergillus nidulans

<400> 19121

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<210> 19122
<211> 770
<212> DNA
<213> Aspergillus nidulans

<400> 19122

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<210> 19123
<211> 770
<212> DNA
<213> *Aspergillus nidulans*

<400> 19123
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<210> 19124
<211> 771

<212> DNA
 <213> Aspergillus nidulans
 <400> 19124

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<210> 19125
 <211> 771
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19125

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<210> 19126
 <211> 771
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19126

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<210> 19127
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 19127

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<210> 19128
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<212> DNA
<213> Aspergillus nidulans

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 <213> Aspergillus nidulans
 <400> 19129

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 <213> Aspergillus nidulans
 <400> 19130

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<210> 19131
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 <213> *Aspergillus nidulans*

<400> 19131

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 <213> Aspergillus nidulans

<400> 19132

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 <213> Aspergillus nidulans

<400> 19133

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 <213> *Aspergillus nidulans*

<400> 19134

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 <213> *Aspergillus nidulans*

<400> 19135

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<211> 774
<212> DNA
<213> Aspergillus nidulans

<400> 19136

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<211> 775
<212> DNA
<213> Aspergillus nidulans

<400> 19137

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<210> 19138
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<212> DNA
<213> Aspergillus nidulans

<400> 19138

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<213> *Aspergillus nidulans*

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<210> 19140
 <211> 775
 <212> DNA
 <213> Aspergillus nidulans

<400> 19140

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 <211> 775
 <212> DNA
 <213> Aspergillus nidulans

<400> 19141

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<212> DNA
<213> *Aspergillus nidulans*

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<212> DNA
<213> *Aspergillus nidulans*

<400> 19143

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<210> 19144

<211> 776

<212> DNA

<213> *Aspergillus nidulans*

<400> 19144

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 <212> DNA
 <213> Aspergillus nidulans

<400> 19145

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 <211> 777
 <212> DNA
 <213> Aspergillus nidulans

<400> 19146

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<210> 19147
 <211> 777
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19147

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<210> 19148
<211> 777
<212> DNA
<213> Aspergillus nidulans

<400> 19148

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tcccgcgac gtggggatct caccgatctg gacgtctggc tcttcacgctc gaaagggcat 600
tgcgatggat cttcttgact gcgtcgtgag caacttcatt tacgggatgg aaatcccgaa 660
ggaacaggta gctttcagcc agccaacaaa cagcgggaag agcctagccc aagcattttt 720
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<210> 19149
<211> 778
<212> DNA
<213> Aspergillus nidulans

<400> 19149

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agtctggagt caaccctcta acaccttctc gcgcagatag attcttcgtg caccatctct 180
ccctcaactc tgaagacgcc cacatgcttc atatgaaata ctacaaagag tacgggtctcg 240
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atgacgccct cccactagac aacatcctca agccggaccc gaagctgcgc cagctcctag 360
aagatatcga ccgggacaaa gtaaagcttt ggcttctgac aaacgcatac gtgaaccacg 420
gcaagcgggt tgtgaagctg cttcaggtag acgatctggt cgagggcatc acatactgcg 480
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<210> 19150
<211> 778
<212> DNA
<213> Aspergillus nidulans

<400> 19150

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ctgacgctca cactacgcgg gctagggttt gacaccttca caaccaattt gcttatcatc 180
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tatacgttgt cgacattaat accgtgaata agtgggtggt ggtatggtag tgatgacttt 360
gctactcggc tatccaaacg gtccgtccct ctattcaacc atcaagocca ggagaacatc 420
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cacttggtggc ccttgtaaca gcgaacatta ccatctactg cctgacgaag gtctgctatg 660
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<210> 19151
<211> 778

<212> DNA
<213> Aspergillus nidulans

<400> 19151

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ggagaacctt cttttccgaa cgcttgagga caacgcagac ttgttgattg cggacttcgg 180
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acccttcaga cccgccctag ccaagcatcg gcaactaact cgaatgatgg cacagcgaca 360
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agtactggcg cggcgcttac caagaagccc gtgacttcat taagcgctgt ttaacagtca 540
atcccaagaa gcgaatgacc gtccaccaag ccctccagca cccctggatac aatccgacct 600
acgacacaac agacgacctc ggttctggcg aggatctcct cccaacatac aagaagaact 660
tcaatgcccg ccgtacgctg cacaaggcta tcgataccgt ccgtgccatac aacaagctcc 720
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<210> 19152
<211> 779
<212> DNA
<213> Aspergillus nidulans

<400> 19152

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gcatccaagc tgtcgcaaaa tccatcggct tggagctgga gcaagtcgag ctgcagccgg 180
ccaacggcgt cccagacttc tactggaacc tgaaccgct gggcaagacc ccgacgtttg 240
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ccaacgaaga ctcgacgacc acgctcctgg gcagcagctc gctcgacttc gtccagatca 420
tccgctggat ctcgttcacc aacacggatg tcgtcacccg catggcgctc tgggtccggc 480

cgttgatcgg ctacacgccg tacagcaagg aggaggtgct caaggcgcag cagcagacga 540
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 gcctgacgct ggctgatata atgtgtgtca gcttggtgtc gtttgggttc ggcagatct 660
 tcgataagga gtggagggag gcctttccat acttttcggg ctggtacatg atggttatgc 720
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<210> 19153
 <211> 781
 <212> DNA
 <213> Aspergillus nidulans

<400> 19153

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 ccacttgac gagtccagtg ggtttttcac cgatgccgag attgaccggc tacgaggcta 180
 tggcacgatg gattctgcgt ctctgtcgcg aatggaagcg ggaggatccg aggcagagcg 240
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 ggcaagggtt tgctgcctct tgggggagat tgtgtgcact cgtgcagcga gggtatatgc 360
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 ctcttttga gaaatcctaa gccggcgat cactgaatc gatttattgg gttaatgcc 720
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 a 781

<210> 19154
 <211> 781
 <212> DNA
 <213> Aspergillus nidulans

<400> 19154

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cggcctcctg ctgatcttcg gcctacaaa ctactaccgc cagaaacccg gcaaagtacc 120
ctcctttctac aaatcccttt tcagacgcaa gatcgtgctc tggaactttg tcgccgtcat 180
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cctccaaacc ctgacccgga tgcatatgtg ctttacgttg atcgtcagcc aagtccctggg 600
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gagtcagat atcacgaagg gagcgggcga actggcgaac gcctgggttct gggttgcatt 720
gttctgtcag ttgcttgtct gtgctgggtt cttactgttt ttccgcaagg agcaacttgc 780
g 781

<210> 19155
<211> 782
<212> DNA
<213> Aspergillus nidulans
<400> 19155

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aacgccaacc ttgttgctc gtcgattcag tacgtgatta acgtgtaat gaccattttt 180
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gccgtgacga ccgcctcaaa ctggatcttc aattttgcgc tttcttactt tgtgcctcct 540

gcattcgaga acattaaatg gaaagtgtac attgtattcg gtgtcttctg cgccgctatg 600
 aactgcacg ttttcttctt ctttcctgag acggccggca agacccttga ggatgttgat 660
 gcgatgttcc atacgaatgt caagccatgg cagaccaggg tgcagtatcg cgatatcaag 720
 aatgtagagc gaggcggtgt tggggctcgg atgctcgaga aggagaacgc cgttgggggtg 780
 ga 782

<210> 19156
 <211> 782
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19156

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 ggccatgacc aaggacgaca tcgagcagtt caagcgcgac tggtttgatg cgtgcaagcg 180
 ggccattgcc gctggcgcg acttcatcga gateccacaat gccacgggt atcttctctc 240
 gtcttttcta tcaccgtctt ccaacacgcg caccgacgag tacggcggct cctttgagaa 300
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 tctgtttttt ctccgtgtct ccgcgacgga ctggatcgag gagaccctcc ccgaggaatc 420
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 ggatgttgcg cttgtgggac gtggtttcca gaaggatccc ggtctggcgt ggactttcgc 720
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 cg 782

<210> 19157
 <211> 783
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19157

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 gcaaaactcg tgcacgcgaa gtctcttcct agcgaccctc attaacagaa ccttacagca 180
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 tctacgagct ggcgacagcc gtataatgtt agccccaacg acatgccgac gtttacagaa 540
 gtggcgctcat actttggact ctgctgtgtg ctagtgcctt ttgcgctgtt tgttagtctg 600
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 cccacggcgg ggttgagtcg gggctctcta ggtgctgatg gtaagaataa gaacaagggc 720
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 ggg 783

<210> 19158
 <211> 783
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19158

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 cagaacatgt cacagaatac ggcgtgcact ggaatttttt ctttacgctg gggtttctac 120
 ctccatttgt ggaacttttt gagggcatcg ccacgctaatt cccatcgat gaagtcctct 180
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 gcggaatctc cccgtcaaatt accccacaac aggccaggaa acgcgtgctt actagtatag 420
 ggttgcaagc aataggatac acggcgctat ttgcattgaa ctctacatat tttctagggg 480
 atggagccaa catccccgtc tcgcgacgtc tcgccaatat gccgtacgtc ctctggggtg 540

cagccttcaa caacgcccag ctgtttctct tctgtctgat tgaaaccata cttttccctt 600
ctgttcaccg agcgtcggga tcaggcaaga atgacgaagc gaagcgaaca gattttgcga 660
cgagcccgat attgacggcc ttcaaccgag aaggacttgc cgtgttttta gtcgccaatc 720
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tgg 783

<210> 19159
<211> 783
<212> DNA
<213> *Aspergillus nidulans*

<400> 19159

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ttctctggta ccatcaagct ccctaccgtg cctcgccctg gcatgaccat ctggtacgtc 180
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cggactgagg ctgacgagtt taattgcagt gttcttgggtg accagcacga tctcgaccgt 300
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atcaagcaga tccccgtct cttgggtccc ggtctctcca agggttcgtc tacacttttg 480
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aagttccagc tcaagaaggt tctttgcctt ggtgttgccg ttggcaacgt cggcatgacc 660
caggaggagc ttgtcgccaa catcatgctg gccatcaact acctcgtctc tctgctcaag 720
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gtc 783

<210> 19160
<211> 783
<212> DNA
<213> *Aspergillus nidulans*

<400> 19160

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 caaggccggg gagcgggtaa agaccaacct aagggtgcag ttgaagttaa tgggccattg 180
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 caattaacgt tgaacatccc ttcctttgtc aatattgcac acgatgagaa ccttcggaaa 300
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 gataagcagg tggtcacgca gtttgccggc gagatccggg aatggcgcaa gcccgaaaccg 720
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 cgg 783

<210> 19161
 <211> 784
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19161

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 gctggcccag gctgaactca aggggtattca ggccgccggg ggtaatgccg acctctacca 180
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 gaagtcattg acatctctat ccaggtagc tggcctgttc gtctccacag gtacccttgg 480
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ctacgttccct cttggctaca agactgcctt ccctctctc tccaacctcg aagagatcca 600
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 gtagggttat ggctaactgt gtctctaggg tgccgatggc tctcgccagc ccaccaaact 720
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 cttc 784

<210> 19162
 <211> 784
 <212> DNA
 <213> Aspergillus nidulans

<400> 19162

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 gcgaggcgac gaagttgcc a ttcttgagg cttgtgtgag tcacctactt ccgggctcgg 180
 ttttttctcg tttcttgtgg ctactattct gtattctata tatgatgcta atctgtctgg 240
 cgtgggtgggt agttgaaaga agcataccgc ttccaccctg gtgtttgcc taatctgcct 300
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 agctctccaa ggtccttgca actgtgctgc gagactacga tatcaaactc atgaatccga 720
 agagcgagtg gcgcttcgag actcgggtcc tggcagtgcc gtatgggtgg ccgtgccaga 780
 ttca 784

<210> 19163
 <211> 785
 <212> DNA
 <213> Aspergillus nidulans

<400> 19163

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 aaaattcagg ccaaagacct ggtacgcacg cgaaggtatc tcaccctgat ttcttgctcg 180
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 acagctggga gagactccat cggggataca gaaagagtcg gtcagtgagg gccgggtggc 720
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 gcttg 785

<210> 19164
 <211> 785
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19164

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 gactaactcc atcataaggt cccccaacta attgaaaact accgcaacgg caatgccgaa 180
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gctatttggtg tcattggaat ggttgggtgg acggtcgcat ggcaaactgg ggtttggagg 660
cctgcgccgt tgggaggtac gagtggaggc gtcgatatgc gcctggggcg cagggtgctgg 720
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<210> 19165
<211> 786
<212> DNA
<213> *Aspergillus nidulans*

<400> 19165

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aagtctcgtg cccgtaagct tgagcgacag ggagacatgg agcgtcgtat cgctgaactc 720
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cgtgca 786

<210> 19166
<211> 786
<212> DNA
<213> *Aspergillus nidulans*

<400> 19166

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 tctcaatttt ggaagcgaga gagggcaagt aacatatggc gagggcattt acgttggtta 180
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 ctgtgagcta ttgtaacggg ctgatctcga gattgtcacc gacagcacat gtctaggcca 720
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<210> 19167
 <211> 787
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19167

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 cgcaacagca caagacgata ttcttccatc cgacatcagt ccagatcgac agcgagatca 180
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acgacggata caccattgag cgtgctatcc atggctgtaa ccaaggctat aacaatatta 720
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cggcgca 787

<210> 19168
<211> 787
<212> DNA
<213> Aspergillus nidulans

<400> 19168

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gcatttcacc agaatccgag ggagtatctt acgactgcaa acgacaatat cgatcatc 480
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gggaatg 787

<210> 19169
<211> 788
<212> DNA
<213> Aspergillus nidulans

<400> 19169

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attatcgaga cgaacaggcc ggatgacaag aacaagcagt acgcggatgt ggtcaaacac 720
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gagcgcag 788

<210> 19170
<211> 789
<212> DNA
<213> *Aspergillus nidulans*
<400> 19170

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caataagctc acgccgctag ttatcgatgt cgagtcggac gagtcaattg agaaggcgta 180
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tgccggcag 789

<210> 19171
<211> 790
<212> DNA
<213> Aspergillus nidulans

<400> 19171

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atgcggacgc 790

<210> 19172
<211> 791
<212> DNA
<213> Aspergillus nidulans

<400> 19172

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 aaggatgtcc tcgccaaccc ggtcttcag ctcgtcaaga agaactcaga gattgccct 540
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 ctaccactac ggattccagc agccgtctta ctatactgtg acattcgggtg tgtcgcgtgc 720
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<210> 19173
 <211> 791
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19173

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 cagctgcgca aggcgttgga agagctgaaa ggctatttgg tagacaaaaa cagcctgttt 180
 ggcgttgatc tgctcatacc tcaggtgggc ggtaatgcgc gaaagtcaaa gtccacaacc 240
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 ggtattcctc ctgcccgggt cgtcaagcga ttgcatgaag gtggtgtgct gtacatgaat 420
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ctgtcga aaa agtaatcggg aaccagaaga gtaagttcac ggaccggcaa atcatccttg 600
 ttgcagctgg gggcctcttc aacggacagt ctctggcggc ggcctcatg ctggggggcga 660
 gtgcagtctg gatagggacc cgatttattc tctgcgatga ggctgggtcg tcttctcgcg 720
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 gacggccact g 791

<210> 19174
 <211> 793
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19174

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 tgagtctgaa ggcgccgtta tggagtttgc tcagcagcgt ggatggacac ttcgtgatgg 720
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<210> 19175
 <211> 793
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19175

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 aacctcctaa cgcattcttc tgaacggctc aatgagcgcg ccctagtctc aagccttcaa 240
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 atctggaaag gcatgagcga ggaggtatcc ttttaccat tctgccctag tcttcctcaa 720
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<210> 19176
 <211> 793
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19176

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 ctacagctcc tccgttggtt ttgttgccga cgcagccac gcagtctctc cattttacgg 360
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aaactacgtc gagatgcggt ggggcgtcaa acaaccctc taccggctgc gcaagtacat 600
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 cagcttcagc aatcagcgct actcggagat catagctatt aaccggagac agggacgcat 720
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 atggagacag cca 793

<210> 19177
 <211> 794
 <212> DNA
 <213> Aspergillus nidulans

<400> 19177

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 ttatgaaggg agaagcggag aaagagaatg gggatggtgc atttgagatg tgcaaggggg 720
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<210> 19178
 <211> 796
 <212> DNA
 <213> Aspergillus nidulans

<400> 19178

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 aatcgaaaat ccttcagctt gcccggaag gccgtggacg agctccttgg attattacgg 420
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 tgcttgagcc agagtttcag cacttgattg actctgttat tgtcacgatt gccctacct 660
 ggctaggcca ggggggtgtg gttgtctctc caaagcggcg atttgataaa accggctcgg 720
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<210> 19179
 <211> 796
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19179

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 cctgctcgtc gagtacggtc ttggaagcgg ccatctaagg ttctacctcg ctcccaaggt 780
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<210> 19180
 <211> 796
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19180

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 aacacgcgtg cactggagcg cctcgagagc gtagagaaca aacttcgagc tacagaaaag 180
 gactttgagc aagcacgaaa gcgtgctcga aaggctaaag atgacttcga agagggtcatg 240
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 accaaaactc gtttgagatt ccaatctaac ccgaatagtt acctggacat cgaagactcc 420
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 atccattcat accagccgtc gcctttcttc gtcctggacg aggtcgatgc tgcgctcgac 600
 aataccaacg ttgctcgat tgcaaactat atttacgacc atgcggcccc tggaatgcag 660
 ttcatcgtca ttagtttgaa gaacgggctg ttccagaaca gtgaggcatt ggtcgggtatt 720
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<210> 19181
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19181

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 ccgtcctacg caaaagaaaa cacaaatgaa gaacgcacgg tgaatgatat gagaattggg 180
 ggctgatgcg gcgtctttct ggttattagg ttcccggcga ctctctcggg gacgaattca 240
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 atatttggtt gcaattctgg cgtttggcgg tgggttatgg atacgacacc gaaattaact 360
 tgtcgcgcgg ggagatcgtc aaactcggca gaggaacaaa tggctaacga ttttatttta 420
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 cagggtgagg gggagcttcc cggctctacc gacactgtcg ttcccaagcg tctcgggtccc 720
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<210> 19182
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19182

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 aaatgggcgc agtcatcggt gtgcattatc tggctgttta cctactttct gagcgtcgga 180
 ccgctgggat ggtccattgc gccggaggta tctcgcgca ggcttcgttc taagacgatc 240
 gtgctggcgc agaacacgta ctatatcgcc attgtggttg cgaatgtcat tgagccgtac 300
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 gaagagctcg atatcatggt tgctgccaag gtgctgacga gaaggttcaa agcgtatcat 480
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 tcaatgtaga cggccatcat atccctgcgt catgggagtt tgtccccgga acagaccag 720
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<210> 19183
 <211> 798
 <212> DNA
 <213> Aspergillus nidulans

<400> 19183

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 gcctgggtcg tcatcggcga gatctacccg ttgccgatcc gttcccgtgg tgctgctctc 480
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 gtcgacaaga tgatggagga gaccaccctc cgcacttctt ccaagtggaa gccccacggc 720
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 gctaagaagg cgtaaatg 798

<210> 19184
 <211> 798
 <212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations

<400> 19184

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gatgggatca ggaccccgag tcctctttgg acaaggctag caagtacttc ctcatggcgg 180
agattttccg gggaatgtac gttgttttgg agcaattctt ccgaccaccg taagtcttcc 240
tcgcaatcgg cattggatcc tgtcgagaga ggggtgtcga cgccacagct cgattgaacg 300
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agtaatccag ccgccaacgc agagtatgct actgagacc cgcaggaact gctatacaat 720
aaggagaagc tcctcgccaa tggtgacaaa tgggagcctg agattgcagc tgctgccaga 780
gccgatgcgc cttaccga 798

<210> 19185

<211> 800

<212> DNA

<213> *Aspergillus nidulans*

<400> 19185

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cgagatatac tgacggtgca agtaaagggt ggctcaccac acagggccga ctggataatc 180
tcggcacggt gtcgaatata actcgtctag aggctgtggg cggttggcag agtattagtc 240
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gaggtgaaca agttgaaccg gagacggtag atagagaatg gtccaggatg tacttttaca 480

ttgtcagatt aaagcgactg ctactcttca gtcggtctc ttgtccagct tgctcttgtc 540
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<210> 19186
<211> 801
<212> DNA
<213> Aspergillus nidulans
<400> 19186

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agcttctctg ccgaggagcg caaccgcaa ttccgcatcc tccgtacaa cacgcgcggc 180
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gccgagctct agggcgccac tccccagag acgaaggagc ccattatcgg tgaggagttg 480
tccgaggtta cgggtgcgcg atggttcacc gagaaatctt acgagacaca gcctgaagtt 540
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tttgtggcgg gtgatagtga tgggtgtcctg ccgaagacga tgaagcagat ggcggaggat 720
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gttgagcagc cggaggcgtt c 801

<210> 19187
<211> 801
<212> DNA
<213> Aspergillus nidulans

<400> 19187

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ttcctttcttt tgagactatc ccaggaaacg ggggtgttgac accatcatac gctcgtttgc 180
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atcgtagaaa ggattgttgc tattgcacca ccgacgcgcg gaactacatt cattgggctg 720
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<210> 19188

<211> 801

<212> DNA

<213> *Aspergillus nidulans*

<400> 19188

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gcaagcgatt attcaacttc tggactaacg aagccgcatt agatgatatt cggatgtacg 180
ttctcaaaac tcgcagcttg ctgcagaatc accatggctc actgatacag cggccggagc 240
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cgtcattgag cttatatgcg tacgtgaagg gatgccctct actcggacct actctaaccg 540
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 gccggataca cgatecgaat cgttggagat gccgtaagca gaaaccgagt ggccacgaac 660
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<210> 19189
 <211> 802
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19189

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 gagttcggtg gacctggaga atcagattgt ggcgaagggt catgtggtgg gccatattca 180
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 aatccttcaa tgggaatata acttcctga taccgttccg acaaccctaa ggatgggaca 420
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 caccatctt ggggcacaag aatctcgaca tcgcaatagg cgctccgcgc atggattcaa 660
 gttcctcccc gttatcgga agtaccttgt agagatgtta gaggggacgc tggaccgga 720
 aatcgcgaa aagtggagat ggtggcctgg ccttgagctt tcggactaca ctacgaatcc 780
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<210> 19190
 <211> 802
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19190

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gcggcgattc cacaatcacg tcaacttaca ccacgatctc tacgcagacc ctgacttcta 120
cctcaaccat cgccgtgcc aacctgtgtc ctctgagga aactccttca accccctcgg 180
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<210> 19191

<211> 803

<212> DNA

<213> *Aspergillus nidulans*

<400> 19191

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gttcaactcg actcgcgat cggtatcgtt gggccgaacg gtgctggtta aaccacggtg 240
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accggtatga ccggcctcca gcgcatggag ttgctctctg gaggtcaaaa gtctcgtgtt 540
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 ttgtgatggt gtctcacgat gtgacaatgt tgcggaatgt ctgcaccagt ctctgggtct 720
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 gcgcacaagc agacgaggct ggc 803

<210> 19192
 <211> 803
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19192

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 cgctgcgtaa aacttgcaat tcgcatgaga agaagttgct aaacggcgtg gttgatgcaa 180
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<210> 19193
 <211> 804
 <212> DNA
 <213> Aspergillus nidulans

<400> 19193

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acgagttcgt ctatgaggct ctggagcaac gtaggagtcc ggctcatgag aatagaggca 180

agctgggggag aggggtgtggg aatgagagcg agagcgaggg ctggtatgac cttctctccc 240

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gggcagtgtt gaatgaaggt atgcagaacc caccacgcct tatcccgta cttgtatttg 540

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<210> 19194

<211> 804

<212> DNA

<213> *Aspergillus nidulans*

<400> 19194

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agccacgaaa ttacgtcca ccgtgtcggg cgaacagcgc gtgccggctc ttccggtcgc 480

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<210> 19195
<211> 805
<212> DNA
<213> *Aspergillus nidulans*

<400> 19195

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accaaacagt cgacgtacct gagatacaag gcactattga agaaatagca aaagagaagt 180
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<210> 19196
<211> 805
<212> DNA
<213> *Aspergillus nidulans*

<400> 19196

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gttgaaaaaa gccctggct cgaagaagcg caagaacaag ggcaattccg atgcggacgt 720
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<210> 19197

<211> 805

<212> DNA

<213> *Aspergillus nidulans*

<400> 19197

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ataatcctaa cgagccgaaa agtatattgc ctcgaccgtc tccaaacccc acaccagac 180
tttgaggccg ccagatctca tgctgaatcg gcctacggcg gcagcctaca ctaccacgc 240
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tcgcgcctcg acggtctcat cgccgccgca ggcataaacc atctggaacc cgctctctcg 360
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cgggtgaact ccttgtgtcc tgggcacatt gtcacgccga tggttgagat ggtcttccag 660
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<210> 19198
<211> 806
<212> DNA
<213> Aspergillus nidulans

<400> 19198

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cgggtccaag tacttatacg gtaggtgtct ggcatttccc agcatcctgg ctagtggtga 180
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agcattgtcc gtgcaaagg agcgac 806

<210> 19199
<211> 807
<212> DNA
<213> Aspergillus nidulans

<400> 19199

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aagtcgaagc catcgccgcg cacctcaaga ggtcttttga gagaatgggtg atcaaggttt 180
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tgtgctatcg gatcaactat cgtagcctgg aacgaacgtt gacgaacgag gagaccaatg 780
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<210> 19200

<211> 807

<212> DNA

<213> *Aspergillus nidulans*

<400> 19200

gcgccaaagtt gtttgggctt gataaggatc taaagctggg tagtcaactg acggacggct 60
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cttgtaagaa aggcgagcca tgccaatggg atgaggacgc atactacatg gccatggatc 180
cttatgccga caagcggcca atatcacata acaaacgctc cgccggccct gaaaagggga 240
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caaccactac tgagggtcga cacaccggtg caactaccgg ggcaggcgcg ctctgcgacg 360
aggaattcgt cacgggaaaa atcctcaacg accgactccc gccgggcatg acagggatct 420
cggctcggca gtacctcctt cgcccgagg cgatcgagtc tgtcttcacg atgttcggcc 480

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cgggtggacag tatggaatca ttctggcttg cggagactct gaaataacttc taccttcttt 660
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caagtactga agtactaatt taaatga 807

<210> 19201
<211> 808
<212> DNA
<213> *Aspergillus nidulans*

<400> 19201

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cattgatacg ccccgcacga gctccaccag caccttcatt agcaacatgc tctacgcctg 180
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cggctacatg ggatctctcc tcaacagtat gagccttatg cttagaggagt tttatcgaca 420
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agaagaggaa gacgaacgag ttgcagcgat ggggagagcc tatgatcctg attcggacag 720
tgacgaggat tatccacctc cggctggtga cgacgaagga ctcagccagc ggtatcagag 780
tgcaactggca gactcgagaa gtgggccc 808

<210> 19202
<211> 809
<212> DNA
<213> *Aspergillus nidulans*

<400> 19202

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gaactacgat gttgaaagca cggggagcag caacacacgg tcacgcatcg acccgcgcat 120
cgtctcggat gccattctcg gcctgtcaga tggcctcact gttccctttg ccttgagtgc 180
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tgtattgtag cggtgcggtc atggcgatta cgttgctggt ttttgggtat atcaagaccg 720
cggttgtgcg tgggtggagt gggaaggaca atatccttgc tgggggtcaaa ggtggcattc 780
agatggtcgt tgttggggcc tttgctgcg 809

<210> 19203

<211> 809

<212> DNA

<213> *Aspergillus nidulans*

<400> 19203

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atacaaagaa cggggacttt gcgacctttt tagctggcaa aaatagcacg gtgctctggc 120
attcggacgt cacatatgat gagcagccgc cgggtatgac aattctctac gcgcttgaat 180
tgcccagagt ggggtgggat acagcctttg cgaaccaggt ggaggcatat aagcggcttt 240
caccgcgct acgggagcgg ttgcatgggc taaagggggg tcatgatggt gtttcacagg 300
cggagcccta ctatcgtgca ggaagattgg tccggaggga gccagtaatt gttgagcatc 360
cacttgctcg gacacatcca gtgacagggg agaaggcact ttttgtcaat gcatgtgagt 420
ccctctgccc ttccacactt gagtgccggg ttattgaaga cactgactgg ggtagtgcg 480

acgagaattg tcgggatgaa gaaggaggag agtgatatgt tgctgggctt cttgatgaat 540
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atttgggatg taagtacacc atatgccgtc atgcttgtgc atcacctga caagaataga 660
accgtgtcac tgcgcacact gcgatcgtcg actggagaac tcgtgagcgt cggcacctgg 720
cacgcctcac tccccaggtt gagcgctccat ttgagacgcc gtatgttcca gaagattagt 780
tggttggtgaa tacgatatct tctttgctt 809

<210> 19204
<211> 810
<212> DNA
<213> *Aspergillus nidulans*

<400> 19204

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ctcaagcgggt cacactcatt tgcggaatcg gtcgagcagg tcgtgcttga atacgaaaag 120
acgateccaga gtctcgaatc ttctgtttca agcaccgcag cttctctggc cagcaccgaa 180
agtaccctcc tcgaacgcga gaccaaagtc acttacgtag agaccgtcaa tgcgcagctt 240
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gagctccgta aagagctcgc ccgagctcgg gagaacgagg ctagctgtga agaatatatt 420
tccacactag aagagcgcct agccgaggcc gaccaggata tggaactcat gcaacgcgag 480
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gacgtgtca ccgaagccgc cgaaaccgct attcctgatt ctgacgaggg tctgtctgat 720
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gattctggcc taaaaatact cgaaagtgtc 810

<210> 19205
<211> 811
<212> DNA
<213> *Aspergillus nidulans*

<400> 19205

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ttcttttcgga cctgggtcaag agatcttcac cgattcttga tataccatct acacttactc 120

tcctcttgtc tattattacc gactcttcag agacagctgc aaatgatgaa ttcataatacc 180

tgaacgcaat caaactcatt ggtacattgg cctcccggca tcctcgcacc gtgacaacga 240

ccttaatcga acgctatatc gataggagcg aaaacgccac actcgatcaa aggctcaaac 300

tcggagaagc cctgctccgc acagtgcaag atcttggcga agccctcgtt ggcgaaacag 360

caaaggttct aggcgaaggc ctgatttccg ttgcaggaag acgggctca aagcctcaag 420

cgcagaaaag ccgaaagcaa gccctagagc agcaaagacg gaaaatggaa cgcgaagagc 480

gccagaagca gaaggactcc tcgtccggat ggagactatc gacaccaaag atagccgaac 540

aaattctaga caatgacgac tccgactcag agacgcccga acaagcggtc cattcggcaa 600

atatcatctc tgcttgggca gccggctcat ctgcgcacga agaaccgcac gacctgcgcg 660

ttcgtgcctc agcactctcc atcctcgcaa cggccatcca aacaaacatc acagggttg 720

gcccgtaaat tctagcatcg tgcgttgacc tcgcccttgc aacactgact cttgagccgg 780

aagacgagtg tgcaatcctc agacgcgcca g 811

<210> 19206

<211> 811

<212> DNA

<213> *Aspergillus nidulans*

<400> 19206

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cgtctggggc tcagcaggaa ccagacagac agacgataac aatcgtgccg cgttcaagaa 120

atggggcatc gtaccctcgc gattagtcaa ggctaatttc acgaatctga aaaccacttt 180

atttggggac gagtacgagt atcctctcgc cctggcacct gtgggcgtgc agaggatttt 240

ccatcaggag ggtgaatcag cggctgcgaa ggccgcaggg gaggaaggcg tcacgtttat 300

attgagcacg gcgacgtcaa caagcctcga gaatgttgcg aaggcaaaca gagacgggcc 360

aagatggtac cagctctatt ggcccagcaa cgagcatcac gacatcacgg ctagtctgct 420

gaaaagagcc aaagagaatg gatataaggt gcttggttga acattggata cgtatatgct 480

cggtctggcgg cctagtgatc tcgacaatgg ttataatccg tttctacgca acgataacat 540
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 agccgaggtg gaggaggatg ttgggaaggc agcacaggaa tgggcgcata caatcttccc 660
 ggggtacaagc cacgggtggg aggatatcag cttcttaaag gagcattggg atgggccaat 720
 tgtgttgaaa ggaattcaga cagtcgctga cgcaaagagg gctattgagg tcggcgtgca 780
 cggcattgtg gtatccaacc acggcgggag g 811

<210> 19207
 <211> 811
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19207

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 ggggtacagac atatcgacac tgcgcgcgtc tacggtactg aagccgcagt tggccgtgcg 180
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 acgatcggcc ggctgattga ggatccagtg ctgggtggaga ttggcaaaaa gtataacaag 720
 tctgcagcgc aggtggcgct tgcttggggg gtcactgagg gtcactcagt attgccc aaa 780
 tcgaaaacac cagagcggat caaggcaaac c 811

<210> 19208
 <211> 813
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19208

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tactttgccc atatcgcaa ggcgtaccag gatgagctga agatcctcta cgatgctggt 180
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ctcagtgtgg ttctgcctct caccgcgagg gtaacgccat tgatcgcgag ggcattgatca 780
agaagctaga gcttgtccg gctattgccg acg 813

<210> 19209

<211> 813

<212> DNA

<213> *Aspergillus nidulans*

<400> 19209

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gactgcgctg aatgggtccac acccagccat gatcaatgta cctaagatcg cccaggatgg 180
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gctcgtgtcc gctaggacct gtcttggtgg ctccctcaga agtcgacccg caccagctcg 480

atatcaaggc tattcacaat ggattagtgg tgcaggactc caacacgagg taagaccagt 540
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 aatcatcgc gttcctatcg cagggcacca ccctggagcg aggcacggtg atcatgacgg 720
 ggacagggcc agggattggg gcaatgcgtg atccaaaggt cgtgctgaga gatggcgacg 780
 atatgcgtgt tcaaaccag gggatcggca cgc 813

<210> 19210
 <211> 814
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19210

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 actcaaactct gggacactgt agctgggcac actaactgtg gaactaggct ctgcatgcc 180
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 gaggaccctg acttgatcaa ccccgaaag gagaccgtca cccttgccaa ggggtgcttcc 420
 ctgtttggtt cccacgagag tttcggcatg atccgcgctg gccgcattga cctgaccatg 480
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<210> 19211
 <211> 814
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19211

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tgtaccaaag acccactgcc gatggacatc gacttccttg tccaagacac gtactctctc 180

acccgcccgc aatggaccct agttacggaa ctagacgaag ctagccgtat cttcggcgag 240

gctgttgccc agaatttcaa gccacaagag gagaagcctg aaccgagga agaatcggag 300

gatagtggat cagatgagga tctggaagaa gacgcatttc cagaggccga cgaggaagga 360

gagtcgagtg atgaggccga tgtaagtga ccagcatact ctgctgatca atgctaacaa 420

ggcaggctct tccaaacgct gagcgcaacg acgacagcga gtctgaggaa gaacaaatat 480

tcgtcaccgc tcaagaagag gaacgagacc ccgaggccga agccgagttt gatcgtgaat 540

tcgagaaaat gatggcgga agcgttgagt ccagaaaatt cgagcgcaag gctgtgtttg 600

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attcaacccc agtcccggt tctcgctg ctcatcgctc cggtaaatg gcgttctctt 720

tgatgaccaa gaaaggcaat aagcagcaga ctcgctactat cgatttgcca tccgactcca 780

cttttgccgt tgccatgaga agccagcagc aggc 814

<210> 19212

<211> 815

<212> DNA

<213> *Aspergillus nidulans*

<400> 19212

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 <213> *Aspergillus nidulans*

<400> 19213
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<210> 19214
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19214

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<210> 19215

<211> 816

<212> DNA

<213> *Aspergillus nidulans*

<400> 19215

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tcaccgaagc caaaaccag cggctaagag accgaagaag atccagggtc atgcgaactt 180
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agaatcatcg tcgatccatt acctccgac aaccctttgc gttggttggt ctcgtggctt 480

cgaggttgct agtctggaaa cgacagagac tcaatctctt ctggaccaag cagacacatc 540
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agaattccta ctgaactaca gcgacttttc attcttcgtt aaccgcaatg gttggcgtgc 660
gcgggcggat tggaagatct cctgggaagg gaatcccaat tcttttgac tctcattgcc 720
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gatccatatt atgactggaa agaattattc catgct 816

<210> 19216
<211> 816
<212> DNA
<213> *Aspergillus nidulans*

<400> 19216

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<210> 19217
<211> 817
<212> DNA
<213> *Aspergillus nidulans*

<400> 19217

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gatgacccga aagtgggcta cctagccgtc tactggacaa ccgaagacga gagcgtttac 180
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<210> 19218

<211> 817

<212> DNA

<213> *Aspergillus nidulans*

<400> 19218

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aacgaatccc tctcttcctt ctcaatccgt ctagagcgga acacccttct cgaagctctc 180
cataacgaag cccaccgact cgactcaac accagctccg cggaacaat gaagcaagac 240
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aatgcatgg gacggttctt gagccggagg ctagtgctga cttttacctc gctttttctt 480

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 ggtatatggc taggttaggc aggcaataaa caagggtaga tcgagcgaaa gaactgtgcg 660
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<210> 19219
 <211> 820
 <212> DNA
 <213> Aspergillus nidulans

<400> 19219

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 tcagggcgag gagaaagcag atgcgctggt tcgagagcaa attgagaaag atgccatcgc 180
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<210> 19220
 <211> 821
 <212> DNA
 <213> Aspergillus nidulans

<400> 19220

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gaaagaagcg gaatggctag aggtgcaagt gatggagacc cgacaacagg tattagggcc 180
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<210> 19221

<211> 821

<212> DNA

<213> *Aspergillus nidulans*

<400> 19221

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tttatatcgg tgggtgataaa ctcttctcta ttgagaagta tgcattcttc tgcccttggg 540
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 tgccaaagcc aagaaggcag teggagctcg tggcggcggt cgtggtgggtc gtggtgggtgc 720
 tcgcgggcggc ggtttccgtg gcccgggcgg tgccccaga ggacgtgggtg cacctcgtgg 780
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<210> 19222
 <211> 821
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19222

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 agactcaatg gaggagttca tgtccttgga gcgcgataaa tggggaattc ctcactcac 420
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 acctagggt aatacggcgg gccatttgg attagatctg attgtgatgc cggaatggc 540
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<210> 19223
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19223

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catgaaagag gccatgaagc agggcaagaa accgaacgag gagatcaaga acaagaagaa 780
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<210> 19224

<211> 822

<212> DNA

<213> *Aspergillus nidulans*

<400> 19224

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 gcgttcggca ggcgactact acaccggggg ctgctgaac cccgcgcggt ctctcgacc 660
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 cggatcgctg ctggcctgtg gtttctatta cttcctgacc ttcttctcgt atgagagcgt 780
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<210> 19225
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19225
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 accgacagcg ggacctctat ttaggtgttg actatgagaa cgttctcacc gtagacggcc 180
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 cgaacaagat cgtgctgcac actagcgata cttgtgacgt tgggtgtggc tacaagatga 420
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 ggtgactggg cgggcggtgt ttttggggca gcggatgccc cgtcagcgac cccagcgacc 780
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<210> 19226
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19226

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aagcggaaaag ggctgaaaag agttctcagg ccaccaagcc aagcaagtct gaaggcgacg 180

atgagagcga taatgaggga tcagcatcgg acaattccag cagcgaagaa ggtagcgaca 240

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agaagatggg gccagaggca aaggcggata agactgcgcg aaaaacttcg agcgacggca 360

tctaccgacc accgaagatc atgccaacag ccatgcctac tactgagcgt aaggagcgca 420

aggaacgacc tatccgcaga tccaatgtta tcgatgagtt tgtgagcgct gaaatgtcgt 480

ccgcgccgat ggctgagcct agcatcggta gcacaatcgt ctcgaggaggc cgacacacaa 540

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tccgtttggc aggtgaaagc aagaaggaac gtgcgaagaa ggcgggcggt cgtcgtgctg 660

aaggacatt cggaggcgag gaatggaaag gcctcactga gggcgagat cgcacacac 720

gactcacaaa acggggccaaa ggaagcagta gtgcgctgga gaggagtcgg aagcgcaaac 780

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<210> 19227

<211> 823

<212> DNA

<213> *Aspergillus nidulans*

<400> 19227

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<210> 19228
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19228

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ccgcctggag agactatggt atgaccatag gcaacggacc gctgggaagc gacgggagaa 180
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19229

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<210> 19230

<211> 826

<212> DNA

<213> *Aspergillus nidulans*

<400> 19230

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gttgcaactct gtccctttga ggcagtcaaa gtgcgcacgc agacgaccat tccgcccag 180
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gactgctgtc gcattcactg gaggatatct tgccggtatt ctgtgtgcga tcgtctctca 480

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 gctaactcta ctccgtactg tagaccggtc tgcaatggat gatgtatgta tttccttgct 720
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19231

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 gcggcaatgg ttccagacaa cggagggtgt gtcttcgtca cagccttcag tggctctctt 180
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19232

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<210> 19233

<211> 829

<212> DNA

<213> *Aspergillus nidulans*

<400> 19233

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<210> 19234
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19234
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<210> 19235
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19235

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gcgccacca cgatgttgcc gaggagctgc agacaaaact cgagtccttg cctgatgttg 780
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<210> 19236

<211> 830

<212> DNA

<213> *Aspergillus nidulans*

<400> 19236

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tgtagtacct aaaaccgtca acgctgctcg cattgaggaa aactttgatt tgaatggctg 780
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<210> 19237
<211> 830
<212> DNA
<213> Aspergillus nidulans

<400> 19237

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gggtggcggtc atgttcggga caagccacag gatattatca ttttcatggg tggcggaaca 780
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<212> DNA
<213> Aspergillus nidulans

<400> 19238

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<210> 19239

<211> 832

<212> DNA

<213> *Aspergillus nidulans*

<400> 19239

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<210> 19240
<211> 833
<212> DNA
<213> Aspergillus nidulans

<400> 19240

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<210> 19241
<211> 834
<212> DNA
<213> Aspergillus nidulans

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<210> 19243
<211> 835
<212> DNA
<213> Aspergillus nidulans
<400> 19243

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<210> 19244
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<212> DNA
<213> Aspergillus nidulans

<400> 19244

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<210> 19245

<211> 837

<212> DNA

<213> *Aspergillus nidulans*

<400> 19245

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<210> 19246
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 <213> Aspergillus nidulans
 <400> 19246

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<210> 19247
 <211> 838
 <212> DNA
 <213> Aspergillus nidulans

<400> 19247

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<210> 19248

<211> 838

<212> DNA

<213> *Aspergillus nidulans*

<400> 19248

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cattctcgca cgcccgccca aacttcattt ctctcgatcc cagtactttt gagaaccag 780
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<210> 19249
<211> 838
<212> DNA
<213> Aspergillus nidulans
<400> 19249

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gcggggaaac atggacaatg cttatgaacg tgagtgttgc tctttgtgaa tctggggcca 780
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<210> 19250
<211> 838
<212> DNA
<213> Aspergillus nidulans

<400> 19250

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<210> 19251

<211> 839

<212> DNA

<213> *Aspergillus nidulans*

<400> 19251

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 aggagtggaa gccgcgcttc ttcaccgggt cgcgcacacc tttgggcaaa ccggccttga 780
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<210> 19252
 <211> 839
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19252

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 tgagtgtgtt ggtgaccagg ctctggggccc ggttggtcac ggcggactat atttatgagc 780
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<210> 19253
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19253

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<210> 19254

<211> 840

<212> DNA

<213> *Aspergillus nidulans*

<400> 19254

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<210> 19255
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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 19256
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19256

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<210> 19257

<211> 841

<212> DNA

<213> *Aspergillus nidulans*

<400> 19257

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<210> 19258
 <211> 841
 <212> DNA
 <213> Aspergillus nidulans

<400> 19258

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 gccgcaaacg ccgggccagg caagctcagc ttttaccttg acgtgcggcc gaaattgaat 780
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<210> 19259

<211> 841
<212> DNA
<213> Aspergillus nidulans

<400> 19259

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<212> DNA
<213> Aspergillus nidulans

<400> 19260

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<210> 19262
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<212> DNA
<213> Aspergillus nidulans

<400> 19262

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<211> 843
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<213> Aspergillus nidulans

<400> 19263

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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19264

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<210> 19265
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 <213> Aspergillus nidulans
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<210> 19266
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19266

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<210> 19267

<211> 845

<212> DNA

<213> *Aspergillus nidulans*

<400> 19267

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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19268

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 <212> DNA
 <213> Aspergillus nidulans

<400> 19269

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 <213> Aspergillus nidulans

<223> unsure at all n locations
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 <213> *Aspergillus nidulans*
 <400> 19271

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<212> DNA
<213> Aspergillus nidulans

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<210> 19273
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<212> DNA
<213> Aspergillus nidulans

<400> 19273

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 <213> Aspergillus nidulans

<400> 19275

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<212> DNA
 <213> Aspergillus nidulans

<400> 19276

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gcatgtccct gtgcatgtgg agtacatcct caccgagcta ttgaagaatg cattcagggc  360
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<210> 19277
 <211> 855
 <212> DNA
 <213> Aspergillus nidulans

<400> 19277

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tccagggata ccttgtaaca gaccagaagg gacaagcgtt aatgggaaca tggatagcct  240
cgtcgatgag ataaccttca aactagccga cgaagccacc gacgcacca cagcaaccgc  300
aattttaggg ccattctttc gtgcgcgacac ccccttccgc tcaaacggcg agagcatcgt  360

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 ggatgatggg cccgcaggaa agctgttgaa gttgatggat aggcacccgt tccggccggc 660
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 cgtggcatgg ctcttcatgt tatgtatcaa ctaatgtttt tgttgtacag gcaacacacg 780
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<210> 19278
 <211> 856
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19278
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<210> 19279
<211> 856
<212> DNA
<213> Aspergillus nidulans

<400> 19279

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cttttacccc tcgatgtctg taaaaatgag gaaatcacgg ctgccgtgga ggcagtgaag 180
tcccataccg gcggcaccgg caaattagac tacctaataca acaacgctgg ccaagggcac 240
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<211> 857
<212> DNA
<213> Aspergillus nidulans

<400> 19280

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gagcaggaag acaagcctcg ctcccgcatt attgcagaat accttgccca tggatacacg 480
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<210> 19281
<211> 857
<212> DNA
<213> *Aspergillus nidulans*
<400> 19281

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atcaccacac acgacttgat actgaaacac ggtggagaag cgctcttcat ccagactgat 180
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<210> 19282
 <211> 857
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19282

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<210> 19283
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 <213> *Aspergillus nidulans*

<400> 19283

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 ctccgggtgcc caaatggcgt cccaagagca ccccggtcca tcttctgggtc gtctcggca 240
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<210> 19284
 <211> 858
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19284

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<210> 19285
<211> 858
<212> DNA
<213> *Aspergillus nidulans*

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<210> 19286
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19286

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<210> 19287
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19287

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<210> 19288
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 <213> *Aspergillus nidulans*

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<210> 19289
<211> 861
<212> DNA
<213> Aspergillus nidulans

<400> 19289

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<210> 19290
<211> 862
<212> DNA
<213> Aspergillus nidulans

<400> 19290

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 <213> *Aspergillus nidulans*
 <400> 19292

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<400> 19293

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<210> 19294

<211> 864

<212> DNA

<213> *Aspergillus nidulans*

<400> 19294

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<211> 865
<212> DNA
<213> Aspergillus nidulans
<400> 19295

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 <213> Aspergillus nidulans

<400> 19296

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<210> 19297
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19297

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<212> DNA
<213> Aspergillus nidulans
<400> 19298

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 <213> *Aspergillus nidulans*

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<400> 19302

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<212> DNA
<213> Aspergillus nidulans

<400> 19303

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<210> 19304
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<212> DNA
<213> Aspergillus nidulans

<400> 19304

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19305

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<400> 19308

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<213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 19323

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<400> 19324

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19332

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<212> DNA
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<400> 19334

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<213> Aspergillus nidulans

<400> 19337

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 <400> 19338

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 <213> *Aspergillus nidulans*

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 <212> DNA
 <213> Aspergillus nidulans

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 <213> Aspergillus nidulans

<400> 19341

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 <213> *Aspergillus nidulans*

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<212> DNA
<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<400> 19345

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<400> 19346

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<211> 891

<212> DNA

<213> *Aspergillus nidulans*

<400> 19348

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 <213> *Aspergillus nidulans*

<400> 19349

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 <400> 19352

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<212> DNA
<213> Aspergillus nidulans

<400> 19353

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<212> DNA
<213> Aspergillus nidulans

<400> 19354

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<400> 19356

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<212> DNA
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<400> 19360

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<400> 19361

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19362

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 <212> DNA
 <213> Aspergillus nidulans

<400> 19363

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<400> 19364

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 <213> *Aspergillus nidulans*

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 <213> Aspergillus nidulans

<400> 19366

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<210> 19367
<211> 903
<212> DNA
<213> Aspergillus nidulans

<400> 19367

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<212> DNA
<213> Aspergillus nidulans

<400> 19368

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<210> 19369
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 <213> *Aspergillus nidulans*
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<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
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<210> 19371
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 <400> 19371

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<210> 19373
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 <213> *Aspergillus nidulans*
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<400> 19375

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<210> 19377
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19377

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<213> Aspergillus nidulans

<400> 19378

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 <213> *Aspergillus nidulans*

<400> 19379

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<210> 19380
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<400> 19380

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<210> 19381
 <211> 914
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 19381

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<210> 19382
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19382

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<210> 19383
 <211> 916
 <212> DNA
 <213> Aspergillus nidulans

<400> 19383

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<210> 19384
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 <213> Aspergillus nidulans

<400> 19384

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<210> 19385
 <211> 917
 <212> DNA
 <213> Aspergillus nidulans
 <400> 19385

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<212> DNA
<213> Aspergillus nidulans
<223> unsure at all n locations
<400> 19386

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<210> 19387

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 <213> Aspergillus nidulans

<400> 19387

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<400> 19388

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<400> 19390

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 tccacatccg caaggtcaag ctcttaaat ctccgaagtt tgatctcggg gccctgctca 840
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<210> 19391
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 <212> DNA

<213> Aspergillus nidulans

<400> 19391

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<210> 19392

<211> 922

<212> DNA

<213> Aspergillus nidulans

<400> 19392

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<210> 19393
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19393

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<210> 19394
 <211> 922
 <212> DNA
 <213> Aspergillus nidulans

<400> 19394
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 ccgttgatcc aagaagccct cgtcgaagcc gagcgcaagg cctacgagaa ccgtttggag 180
 gataaagact tggatgaact agacgaatta gaggacgttg aggatgaggc ctttctaaac 240
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<210> 19395
 <211> 923
 <212> DNA
 <213> Aspergillus nidulans

<400> 19395

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cacaagaggg taagtcgcct catattctcg agccaatcgt gcgatcgctg ataaacgtca 180
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<210> 19396

<211> 926

<212> DNA

<213> *Aspergillus nidulans*

<400> 19396

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cgtgacgcct ccataataat tctatccgcc gcccgagttg atgctgccgc actgtctcgc 180
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aaggcgtctg caacctcaga tcccaccagg gtcccgttcg agacagtcac caagcagagt 660
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<210> 19397
<211> 927
<212> DNA
<213> *Aspergillus nidulans*

<400> 19397
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<210> 19398
 <211> 927
 <212> DNA
 <213> Aspergillus nidulans

<400> 19398

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 ttgtttgtgc gacttcaagc aatttatttg tcaggggggg acagaggcta tggggccaca 240
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<210> 19399
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19399

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 ttacttgctt tccttcatt cttccacata tacggcttga catgtcttgt ccaccaaacg 180
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<210> 19400
 <211> 928
 <212> DNA
 <213> Aspergillus nidulans

<400> 19400

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 tccagagtct ccccgttatt atgttcggaa aaacaatctg gctgaagcag ccaaaaccct 180
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19401

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<210> 19402
 <211> 930
 <212> DNA
 <213> Aspergillus nidulans

<400> 19402

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<210> 19403
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 <213> Aspergillus nidulans

<400> 19403

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<210> 19404
 <211> 932
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19404

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 <213> *Aspergillus nidulans*

<400> 19405

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<213> *Aspergillus nidulans*

<400> 19407

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 <400> 19408

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<210> 19409
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 <213> Aspergillus nidulans

<400> 19409
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 <213> *Aspergillus nidulans*

<400> 19410

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<400> 19411

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<400> 19413

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<210> 19416
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<213> *Aspergillus nidulans*

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<211> 944
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<213> Aspergillus nidulans

<400> 19418

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cgccgcgacg ctgaacgatg cgaatgacta cgttgatgga atcatatacg gccccgacca 180
cggcgttgtc gtcgccggcg agatgacgaa tgagatgccc gatagcgcaa aaattcagac 240
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<210> 19419

<211> 944

<212> DNA

<213> Aspergillus nidulans

<400> 19419

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tgcgtaacc gagcttgtga cgattatcaa cgacggcgcg gccagcgctc ccggttttga 180
ctctctgact tccctcgagg cccttcaact agtcgctccc atccaggatc tgacgggcga 240
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tgatggcgat gttcttacct cgcttcagga tcagaaggcg gccgctgagg gtctgcggga 360
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 tgattatata ttccggctaac aagatatggc agtaagtgc agctcagtc aatgaccctg 840
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<210> 19420
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19420

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 gtggccccgc tgtgctgttg gagctgggtga cgaagatgat atcgaagact ctgggatacc 180
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 tacagcattg ggacctgttg ctggcctcgg ctttcatcac aactacggta tgaacgtcct 480
 ggtaggtgtc tctgaatgct gctaagtcta cctcagacag catatttcgc agactctcaa 540
 tcatacctta ttacgacccc gttacttcgg cgtcgtcttc tccatcgcca gagctgcctt 600
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ctcaaattgg gaacctgctt gagagcacac ctttagaccc gcctaaccct gataagcagc 780
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<210> 19421
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19421

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 cacctatgtg acgaataaga gataccgtcc gatttacttc catgagttcg cgacgcgaca 180
 tgaatccagg aagagatact gggctcgcag cttcatcgga tggccggggc ttctgaaggc 240
 gagcaactcg actcactggg cgattagaga tctaggcgtc aaaggctacg ttagctctgt 300
 aattacgcag aatgtggatt cctttcattc aatcgctcat cctgagattc cgtcgattga 360
 acttcacggg tatttgagat ccgttgtctg tttgagctgc cgtaaccagt ttccgaggtc 420
 cgagtttcaa aagtctctcg agaggcttaa tccgtcctgg gcagagttct tagcgaggat 480
 ggtcgatata ggggctcttg acacggacaa ccagaggaa caaaggcgca gaggattgaa 540
 actcaaccgg gacggagacg ttgagcttcc agaggcacgg tactccacat ttcgctaccc 600
 ttcattgttca acttgtctag aaaagcctcc tcgacttgcg gatggtactc cagccagagt 660
 tgaggttgag aaagacggcg cctggctgcc gacctcgag gcaggtatcc tgaaacctgc 720
 ggtaatcatg ttcggagaga acattgagcc gccagtgaag ttggctgcag aagaagccat 780
 tgacgacgcg gggagattgc tagtactcgg cacctctcta gccacatact ccgcatggag 840
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<210> 19422
 <211> 946
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19422

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cacgatcttc ctttctgtct ccaaagcaca gaccgcacct gcagcggaat taatcaaccg 180
ctttggccct gacacgcccg ccgacgaaat ccgccaggaa attttacgaa aaggcgaagt 240
gcaagtgggg gagcgcgagc gaaaagaaat cgccgagcga attgagaagg aggtacttga 300
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agcgcagaca ggagaaaatg gagcgggtga tgaagacgcc gcagcgccta ggcaacagaa 480
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gatgaaggcg ttgattgcgt ggcagcctat tccggttatg agagcacgga tgcggcttcg 600
agtaacttgt cccgtgtcgc tgctaaagca gagtgttaag tccgcggcgc cggtcgggtc 660
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aagggaaga aatcggctcg ccgcggtgac gacactgact ccgagggtga gagtgcgcct 780
gtccagccaa agggcccgag caacgtcaag gataagatcc tgagttttat cgaatccatt 840
gagtcacagg agattgctag cgatgaatgg gaggtggttg gttttgcaga gcctggtgca 900
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<210> 19423

<211> 947

<212> DNA

<213> *Aspergillus nidulans*

<400> 19423

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tcggatacgg ggatatgtca ctaacaagtg atggcagcct gtgaccaagc tcggccgtct 180
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 caagaccctc gagaacaccc tcaaggctac cttccttgcc gtggtcaaca cctacggctt 900
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<210> 19424
 <211> 948
 <212> DNA
 <213> Aspergillus nidulans

<400> 19424

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 gtctctacgc aaaactcgaa cccctccaac tgccctaccc ggaggccctc ttccacatct 180
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<210> 19425
 <211> 949
 <212> DNA
 <213> Aspergillus nidulans

<400> 19425
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 ccggcaatat gcataccagg gtcagaggc cgatccagtc tcggtacaca tcaacgggtgc 180
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<210> 19426
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 <212> DNA
 <213> Aspergillus nidulans
 <400> 19426

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 ccaaggaggc tggcgtgacg ggcacaaatg tccggtacca gccggactat gaccacagtt 900
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<210> 19427
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19427

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<210> 19428
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19428

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gttcgagtcg tcgccagagc tcaagagatt cctcacgaag gtgcattctg tgacttggtc 900
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<210> 19429
 <211> 951
 <212> DNA
 <213> Aspergillus nidulans

<400> 19429

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 ttggggttcg ggacctccgt ttatcgctag agctcggaag cggagtcctg agccatagc 840
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<210> 19430
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19430

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<210> 19431
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 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19431

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 gtggagttct ccgacgacga acaagaagct gaatataggc ggaagttgaa gcagaagcgc 180
 caggagagaa agggagcgaa gaaccaggac ggcgggcctt cgaagcctgc aaaggggcca 240
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 <400> 19432

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<400> 19433

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<212> DNA
<213> *Aspergillus nidulans*

<400> 19434

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<400> 19435

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<210> 19436
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19436

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961

<210> 19437
 <211> 963
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19437

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<210> 19438
 <211> 964
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19438

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<213>      Aspergillus nidulans

<400>      19439

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 <213> *Aspergillus nidulans*

<400> 19440

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<210> 19441
 <211> 966
 <212> DNA
 <213> Aspergillus nidulans

<400> 19441

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<210> 19442
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<213> Aspergillus nidulans

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<211> 971

<212> DNA

<213> Aspergillus nidulans

<400> 19443

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<400> 19444

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<210> 19445
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 <213> *Aspergillus nidulans*

<400> 19445
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974

<210> 19446
<211> 974
<212> DNA
<213> *Aspergillus nidulans*

<400> 19446

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<210> 19447
<211> 974
<212> DNA
<213> *Aspergillus nidulans*

<400> 19447

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<210> 19448
 <211> 975
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19448

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<210> 19449
 <211> 975
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 19450
 <211> 975
 <212> DNA
 <213> Aspergillus nidulans

<400> 19450

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<210> 19451
 <211> 976
 <212> DNA

<213> Aspergillus nidulans

<400> 19451

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cgaaggtaaa ccccggtcga cttcttgaaa gtcgagatga gcgccgtatc ttcaaaatcc 960
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<210> 19452

<211> 978

<212> DNA

<213> Aspergillus nidulans

<400> 19452

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ctttcaccac gttcttcccg cggtacctga tcaccgacga aaccgagttg gagagctggt 180
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<210> 19453
 <211> 981
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19453

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<210> 19454
 <211> 982
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19454

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982

<210> 19455
<211> 982
<212> DNA
<213> *Aspergillus nidulans*

<400> 19455

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<210> 19456
<211> 982
<212> DNA
<213> *Aspergillus nidulans*

<400> 19456

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<210> 19457
<211> 982
<212> DNA
<213> *Aspergillus nidulans*

<400> 19457

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<210> 19458
 <211> 983
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19458

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 ccgatccctc tgagcccaag gggtaccagc ttgtcatttc ggaaatgtat gaatcgccca 420
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<210> 19459
 <211> 984
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19459

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<210> 19460
 <211> 984
 <212> DNA

<213> Aspergillus nidulans

<400> 19460

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ttagaagctg ctaatgtggc taagaaagaa tggatggtat ccggcgaagc tcgggcagcg 180
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atagccaaag aatttgacga agtcatacgc cgccgtcccg ggctgttaga ccgacaactt 360
acccaaaagg ctccgggttga aattgaagac agcaaaccgc agcagggcct tgcggagctc 420
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aaattgattg ggaaagaagg cgacatgatg aacattaatg ggagtaagat tgttgggaca 960
gttgatagga atggggccca tgcg 984

<210> 19461

<211> 984

<212> DNA

<213> Aspergillus nidulans

<400> 19461

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aacgctgttc tgtccacaca cagcacaatt gagaactccg actgcacgtt cctcgttgat 180
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gatatggagg gcgaagaagc cgag 984

<210> 19462
<211> 989
<212> DNA
<213> *Aspergillus nidulans*

<400> 19462

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ttaaccttct ttatctgatg ggttatgctt aaacaggctc tattcctacc cgaggcagcg 180
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ctagcaaaaa gaggaatgc ttatggcaca attttacagc tacgcttccc tgagatcagc 660
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 ctgcttagaa ggacagatat ataccctga 989

<210> 19463
 <211> 989
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19463
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989

<210> 19464
<211> 990
<212> DNA
<213> Aspergillus nidulans

<400> 19464

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<210> 19465
<211> 991
<212> DNA
<213> Aspergillus nidulans

<400> 19465

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<210> 19466
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19466
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<210> 19467
 <211> 992
 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 19468
 <211> 992
 <212> DNA
 <213> Aspergillus nidulans

<400> 19468

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<210> 19469
 <211> 993
 <212> DNA

<213> Aspergillus nidulans

<400> 19469

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<210> 19470

<211> 993

<212> DNA

<213> Aspergillus nidulans

<400> 19470

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cgcagtgtc cgaggtacgc gaccagccg cgtacctacg acgcaacgag ctgccacgg 180
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 agagccctca caatcgcaat cgcaaacaca ccagccgcct aaatcagaca tgtcgttttc 900
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<210> 19471
 <211> 993
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19471

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<210> 19472
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 <213> *Aspergillus nidulans*

<400> 19472

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agcgtgctgc taagctgtag gccgatgctg ggg

993

<210> 19473
<211> 993
<212> DNA
<213> *Aspergillus nidulans*

<400> 19473

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<210> 19474
<211> 994
<212> DNA
<213> *Aspergillus nidulans*

<400> 19474

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 aatacggcac cattgcggcc gcccttgctg cccctctctc gcgggggtct gtctctataa 600
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 gtacgtgcta tatggttgcc gagaagatcg cgga 994

<210> 19475
 <211> 994
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19475
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<210> 19476
<211> 995
<212> DNA
<213> *Aspergillus nidulans*

<400> 19476
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 gagcgaaaaa tgggtgggtat cctttcttcc tcccc 995

<210> 19477
 <211> 996
 <212> DNA
 <213> Aspergillus nidulans

<400> 19477

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 atgcgcagct tggtttatgc ccaatgacct tgagggtcgc acagggattg atgtttttcg 180
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<210> 19478
 <211> 996
 <212> DNA

<213> Aspergillus nidulans

<400> 19478

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agcgttggcg aggagggttg cggcgagtga ggttga 996

<210> 19479

<211> 997

<212> DNA

<213> Aspergillus nidulans

<400> 19479

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<210> 19480
<211> 997
<212> DNA
<213> *Aspergillus nidulans*
<400> 19480

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<210> 19481
<211> 998
<212> DNA
<213> *Aspergillus nidulans*

<400> 19481

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<210> 19482
<211> 998
<212> DNA
<213> Aspergillus nidulans

<400> 19482

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<210> 19483
<211> 999
<212> DNA
<213> Aspergillus nidulans

<400> 19483

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<210> 19484
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19484

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 <212> DNA
 <213> *Aspergillus nidulans*

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<210> 19486
<211> 1001
<212> DNA
<213> *Aspergillus nidulans*

<400> 19486

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<210> 19487
<211> 1001
<212> DNA

<213> Aspergillus nidulans

<223> unsure at all n locations

<400> 19487

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<210> 19488

<211> 1002

<212> DNA

<213> Aspergillus nidulans

<400> 19488

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 <211> 1003
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19489

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<210> 19490
 <211> 1003
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19490

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<210> 19491
<211> 1003
<212> DNA
<213> *Aspergillus nidulans*
<400> 19491

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<210> 19492
<211> 1004
<212> DNA
<213> *Aspergillus nidulans*
<400> 19492

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<210> 19493
<211> 1004
<212> DNA
<213> Aspergillus nidulans

<400> 19493

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<210> 19494
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19494

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<210> 19495
<211> 1005
<212> DNA
<213> *Aspergillus nidulans*

<400> 19495

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<210> 19496
<211> 1006

<212> DNA
 <213> Aspergillus nidulans

<223> unsure at all n locations
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<400> 19497

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<213> Aspergillus nidulans

<400> 19498
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<400> 19499

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<212> DNA
<213> Aspergillus nidulans
<400> 19501

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<400> 19502

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 <213> *Aspergillus nidulans*
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<210> 19504
<211> 1011
<212> DNA
<213> Aspergillus nidulans

<400> 19504

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<210> 19505

<211> 1012
 <212> DNA
 <213> Aspergillus nidulans

<400> 19505

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<210> 19506
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 <213> Aspergillus nidulans

<400> 19506

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 <212> DNA
 <213> Aspergillus nidulans

<400> 19507

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<210> 19508
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19508

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<212> DNA
<213> Aspergillus nidulans

<400> 19509

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<213> Aspergillus nidulans

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<213> Aspergillus nidulans

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<213> *Aspergillus nidulans*

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<213> Aspergillus nidulans

<400> 19551

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<211> 1043

<212> DNA

<213> Aspergillus nidulans

<400> 19552

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<400> 19554

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<400> 19558

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<212> DNA
<213> Aspergillus nidulans

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<210> 19563

<211> 1052

<212> DNA

<213> *Aspergillus nidulans*

<400> 19563

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<400> 19565

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<213> *Aspergillus nidulans*

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<400> 19567

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<400> 19569

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<210> 19571
<211> 1061
<212> DNA
<213> *Aspergillus nidulans*

<400> 19571

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<210> 19572
 <211> 1062
 <212> DNA
 <213> Aspergillus nidulans

<400> 19572

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<210> 19573
 <211> 1063
 <212> DNA
 <213> Aspergillus nidulans

<400> 19573

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<210> 19574
<211> 1064
<212> DNA
<213> *Aspergillus nidulans*

<400> 19574

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<210> 19575
 <211> 1067
 <212> DNA
 <213> *Aspergillus nidulans*
 <400> 19575

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<210> 19576
 <211> 1068
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19576

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<210> 19577
<211> 1069
<212> DNA
<213> Aspergillus nidulans

<400> 19577

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<210> 19578
<211> 1069

<212> DNA
<213> Aspergillus nidulans

<400> 19578

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<210> 19579
<211> 1069
<212> DNA
<213> Aspergillus nidulans

<400> 19579

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<210> 19580
<211> 1071
<212> DNA
<213> Aspergillus nidulans
<400> 19580

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<210> 19581
<211> 1071
<212> DNA
<213> Aspergillus nidulans

<400> 19581

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<210> 19582
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 <213> *Aspergillus nidulans*

<400> 19582

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 <213> Aspergillus nidulans

<400> 19583

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<210> 19584
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 <213> Aspergillus nidulans

<400> 19584

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<400> 19585

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 <213> Aspergillus nidulans
 <400> 19586

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<213> *Aspergillus nidulans*

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<210> 19588
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<213> *Aspergillus nidulans*

<400> 19588

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<213> *Aspergillus nidulans*

<400> 19589

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<210> 19590

<211> 1078

<212> DNA

<213> *Aspergillus nidulans*

<400> 19590

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 <400> 19591

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 <211> 1080
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 <213> *Aspergillus nidulans*

<400> 19593

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 <213> *Aspergillus nidulans*

<400> 19594

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 <213> *Aspergillus nidulans*

<400> 19595

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 <213> *Aspergillus nidulans*

<400> 19596

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<210> 19599
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<400> 19599

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 <213> *Aspergillus nidulans*

<400> 19600

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<400> 19601

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<400> 19602

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 <400> 19603

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<400> 19604

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 <211> 1091
 <212> DNA
 <213> Aspergillus nidulans

<400> 19605

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<210> 19606
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<212> DNA
<213> Aspergillus nidulans

<400> 19606

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<210> 19607
<211> 1095

<212> DNA
<213> Aspergillus nidulans

<400> 19607

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<210> 19608
<211> 1096
<212> DNA
<213> Aspergillus nidulans

<400> 19608

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 <211> 1097
 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 19609

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<212> DNA
<213> *Aspergillus nidulans*

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<210> 19611
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19611

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<210> 19612
<211> 1099
<212> DNA
<213> Aspergillus nidulans
<400> 19612

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<210> 19613
<211> 1099
<212> DNA
<213> *Aspergillus nidulans*

<400> 19613

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<210> 19614
<211> 1099
<212> DNA

<213> Aspergillus nidulans

<400> 19614

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<210> 19615

<211> 1100

<212> DNA

<213> Aspergillus nidulans

<400> 19615

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<210> 19616
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19616

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<210> 19617
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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19617

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 <212> DNA
 <213> *Aspergillus nidulans*
 <223> unsure at all n locations
 <400> 19618

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<213> *Aspergillus nidulans*

<400> 19619

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<213> *Aspergillus nidulans*

<400> 19620

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<213> *Aspergillus nidulans*

<400> 19621

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<210> 19622

<211> 1111

<212> DNA

<213> *Aspergillus nidulans*

<400> 19622

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<213> *Aspergillus nidulans*

<400> 19623

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 <213> *Aspergillus nidulans*
 <400> 19625

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<400> 19626

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<400> 19627

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 <213> Aspergillus nidulans

<400> 19634

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 <213> Aspergillus nidulans

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<210> 19642
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 <212> DNA
 <213> Aspergillus nidulans

<400> 19642

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<210> 19643
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 <213> *Aspergillus nidulans*

<400> 19643

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<212> DNA
<213> *Aspergillus nidulans*

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19645

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<212> DNA
<213> *Aspergillus nidulans*

<400> 19646

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<210> 19647
<211> 1128
<212> DNA
<213> *Aspergillus nidulans*

<400> 19647

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<211> 1132
<212> DNA

<213> Aspergillus nidulans

<400> 19648

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<210> 19649

<211> 1132

<212> DNA

<213> Aspergillus nidulans

<400> 19649

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 <212> DNA
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19651

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<212> DNA
<213> *Aspergillus nidulans*

<400> 19652

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 <213> *Aspergillus nidulans*
 <400> 19653

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<213> *Aspergillus nidulans*

<400> 19654

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<212> DNA
<213> *Aspergillus nidulans*

<400> 19655

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<210> 19656

<211> 1136

<212> DNA

<213> *Aspergillus nidulans*

<400> 19656

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<210> 19657
 <211> 1136
 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19657
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<210> 19658
<211> 1138
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<213> *Aspergillus nidulans*

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 <213> *Aspergillus nidulans*
 <400> 19659

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<210> 19660
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<212> DNA
<213> *Aspergillus nidulans*

<400> 19660

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<400> 19661

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<210> 19662
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 <213> Aspergillus nidulans

<400> 19662

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<210> 19663
 <211> 1146
 <212> DNA
 <213> Aspergillus nidulans

<400> 19663

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<210> 19664
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 <213> *Aspergillus nidulans*

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<400> 19687

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<400> 19689

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<400> 19690

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<400> 19698

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<400> 19699

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<400> 19700

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<213> Aspergillus nidulans

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<400> 19719

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<400> 19720

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<400> 19726

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<400> 19729

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<400> 19730

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<400> 19740

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<213> Aspergillus nidulans

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<400> 19746

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<400> 19747

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<400> 19749

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<400> 19750

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<400> 19753

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<400> 19754

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<400> 19756

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<400> 19763

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<400> 19765

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<400> 19766

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<213> *Aspergillus nidulans*

<400> 19768

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1248

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<213> Aspergillus nidulans

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<400> 19769

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<211> 1251

<212> DNA

<213> *Aspergillus nidulans*

<400> 19772

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<210> 19773
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 <213> *Aspergillus nidulans*

<400> 19773

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<210> 19774
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 <213> Aspergillus nidulans

<400> 19774

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 <212> DNA
 <213> *Aspergillus nidulans*

<400> 19775

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<210> 19776
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 <213> *Aspergillus nidulans*
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<210> 19779
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<213> *Aspergillus nidulans*

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<210> 19781
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<400> 19781

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